

ANNUAL REPORT *of the*
DIRECTOR OF THE MINT
FISCAL YEAR ENDED JUNE 30, 1952

INCLUDING REPORT ON THE
PRODUCTION AND CONSUMPTION OF GOLD
AND SILVER FOR THE CALENDAR YEAR 1951

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1951



UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1952

TREASURY DEPARTMENT

Document No. 3183

Director of the Mint

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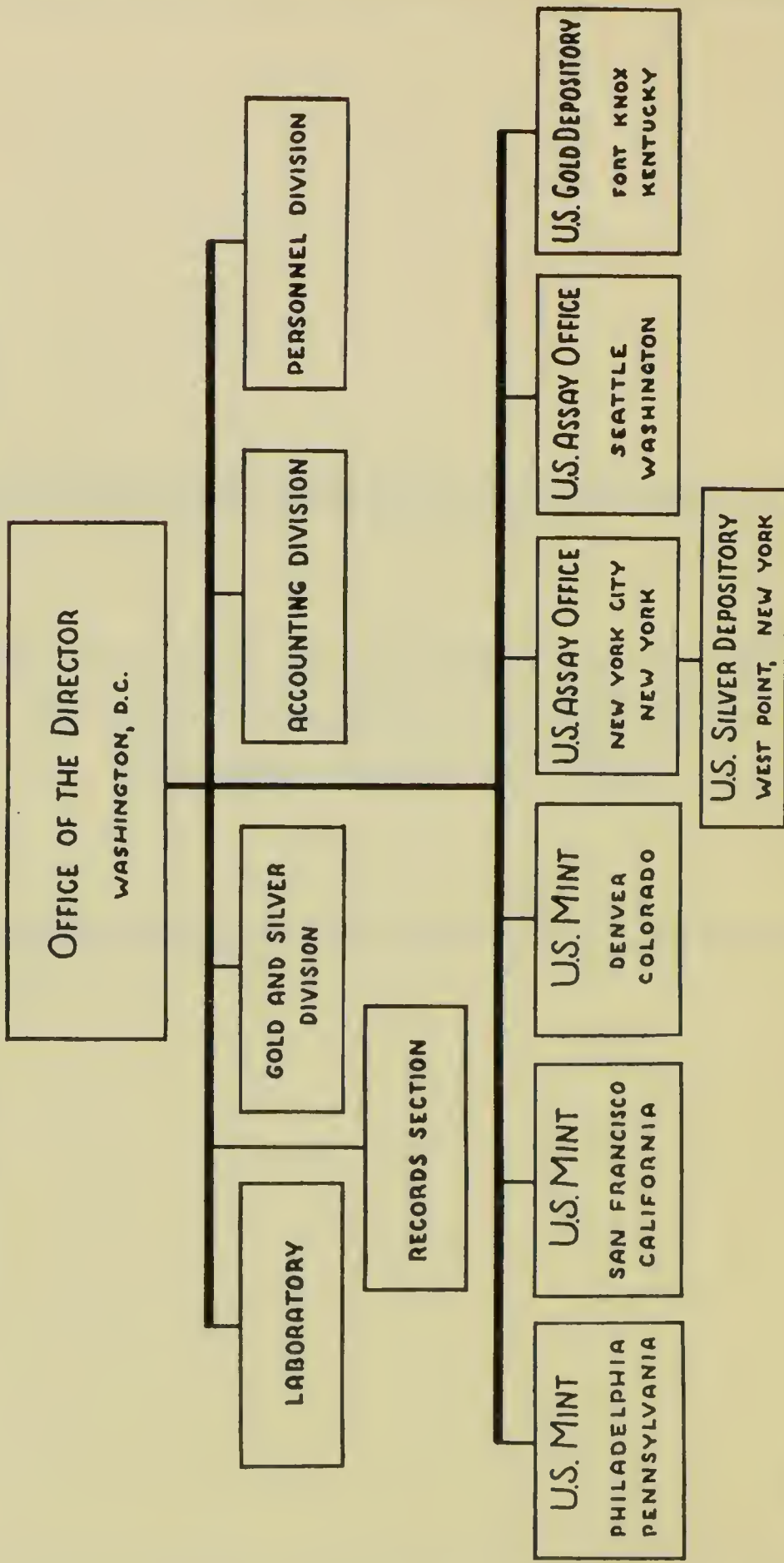
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REPORT OF THE DIRECTOR OF THE MINT ON THE
OPERATIONS OF THE MINT SERVICE
FOR THE FISCAL YEAR 1952

BUREAU OF THE MINT — TREASURY DEPARTMENT



ORGANIZATIONAL CHART

COMMEMORATIVE HALF DOLLAR

BOOKER T. WASHINGTON—GEORGE WASHINGTON CARVER



OBVERSE



REVERSE

ANNUAL REPORT OF THE DIRECTOR OF THE MINT FOR THE FISCAL YEAR ENDED JUNE 30, 1952

TREASURY DEPARTMENT,
BUREAU OF THE MINT,
Washington, D. C.

SIR: In compliance with the provisions of section 345 of the Revised Statutes of the United States, I have the honor to submit herewith a report covering the operations of the mints, assay offices, and bullion depositories of the United States for the fiscal year ended June 30, 1952, being the Eightieth Annual Report of the Director of the Mint. There is also submitted for publication in connection therewith the annual report of this Bureau upon the production and consumption of gold and silver in the United States for the calendar year 1951.

OPERATIONS OF THE MINTS, ASSAY OFFICES, AND BULLION DEPOSITORIES

The Bureau of the Mint administers the various acts of Congress which deal with the coinage of money, and with the purchase, sale, deposit, assay, refining, and custody of gold and silver; and administers in part Treasury controls over the acquisition, ownership, possession, and use of monetary metals.

The Office of the Director of the Mint in Washington, D. C., establishes general policies, directs, and coordinates activities of the Departmental office and the field institutions throughout the United States. Seven field institutions are currently in operation: Coinage mints in Philadelphia, Pa., San Francisco, Calif., and Denver, Colo.; assay offices in New York City, N. Y., and Seattle, Wash.; a gold bullion depository in Fort Knox, Ky.; and a silver bullion depository in West Point, N. Y., which is an adjunct of the New York Assay Office.

The coinage mints not only manufacture all United States coins, but, pursuant to contract, manufacture foreign coins for other governments. The mints also receive, assay, process, move, and store gold and silver; issue gold licenses; sell gold for legitimate and customary industrial, professional, and artistic use, and for the settlement of international balances; and sell silver. The assay offices perform similar operations, with the exception of manufacturing coins. The Seattle Assay Office also makes commercial assays of gold, silver, lead, zinc, and copper ores, and the New York Assay Office makes assays of platinum group metals. Electrolytic refineries for refining gold and silver are located at the San Francisco and Denver Mints and the New York Assay Office. Medals and other decorations, proof coins, and coinage and medal dies are manufactured at the Philadelphia Mint. The bullion depositories are maintained solely for the storage of bullion. Protection of the Government's holdings of gold, silver, coins, and other values is maintained by armed guards and modern protective devices at the seven field establishments twenty-four hours a day, every day of the year. A total of 1,020 persons were

employed by the Bureau of the Mint on June 30, 1952, compared with 966 on June 30, 1951.

Domestic coinage.—Production of United States coins during the fiscal year 1952 totaled 1,551,096,448 pieces with a value of \$92,412,255.99, an increase of 34 percent (393,275,670 pieces) over production the previous fiscal year. Metals consumed in the 1952 coinage totaled 6,215 tons avoirdupois, including 1,933 tons (56,381,870 fine ounces) of silver, 3,994 tons of copper, 106 tons of nickel, and 182 tons of zinc and tin. Production of the three mints is shown in the following table:

United States coinage during the fiscal year 1952

Denomination	Philadelphia	San Francisco	Denver	Total value	Total pieces
SILVER (900 FINE)					
Half dollars:					
Regular.....	\$10,639,058.50	\$6,357,000.00	\$9,739,700.00	\$26,735,758.50	53,471,517
Commemorative:					
Booker T. Washington.....	225,034.50	-----	-----	225,034.50	450,069
Booker T. Washington-George Washington Carver.....	1,058,155.00	8,003.50	8,003.50	1,074,162.00	2,148,324
Quarter dollars.....	10,298,529.25	2,590,950.00	11,015,500.00	23,904,979.25	95,619,917
Dimes.....	11,029,011.70	4,139,950.00	10,833,900.00	26,002,861.70	260,028,617
Total silver.....	33,249,788.95	13,095,903.50	31,597,103.50	77,942,795.95	411,718,444
MINOR					
5-cent pieces (cupro-nickel).....	2,212,700.00	471,800.00	1,160,100.00	3,844,600.00	76,892,000
1-cent pieces (bronze).....	2,097,310.00	1,331,300.04	7,196,250.00	10,624,860.04	1,062,486,004
Total minor.....	4,310,010.00	1,803,100.04	8,356,350.00	14,469,460.04	1,139,378,004
Total domestic coinage.....	37,559,798.95	14,899,003.54	39,953,453.50	92,412,255.99	1,551,096,448

Foreign coinage.—The Philadelphia Mint manufactured a total of 30,850,000 foreign coins for the Governments of Costa Rica, Cuba, and the Dominican Republic during the fiscal year 1952. No foreign coins were struck at the other United States Mints during the year. A total of 98 avoirdupois tons of metals were consumed, including 73 tons (or 2,126,771 fine troy ounces) of silver; 21 tons of copper; and 4 tons of nickel, which was provided by melting old Costa Rican coins supplied by that Government. Further details are shown in the following table:

Coinage by the Philadelphia Mint for other countries during the fiscal year 1952¹

Country and denomination	Composition	Gross weight per coin	Number of pieces produced
Costa Rica:		<i>Grams</i>	
10 centimos.....	75 copper, 25 nickel.....	2	2,500,000
5 centimos.....	do.....	1	10,000,000
Total.....			12,500,000
Cuba:			
40 centavos.....	900 silver, 100 copper.....	10	1,250,000
20 centavos.....	do.....	5	6,700,000
10 centavos.....	do.....	2.5	10,000,000
Total.....			17,950,000
Dominican Republic: 25 centavos.....	900 silver, 100 copper.....	6.25	400,000
Grand total.....			30,850,000

¹ No foreign coins were manufactured at the Denver and San Francisco Mints during the fiscal year 1952.

Issue of domestic coin.—The mint institutions issued for circulation a total of 1,370,986,996 United States coins with a face value of \$99,-420,509.23 during the fiscal year 1952. Denominations were as follows:

Denomination	Number of pieces issued	Face value
Silver dollars.....	11, 168, 000	\$11, 168, 000. 00
Half dollars.....	53, 376, 288	26, 688, 144. 00
Quarter dollars.....	94, 536, 085	23, 634, 021. 25
Dimes.....	246, 869, 831	24, 686, 983. 10
5-cent pieces.....	89, 824, 824	4, 491, 241. 20
1-cent pieces.....	875, 211, 968	8, 752, 119. 68
Total.....	1, 370, 986, 996	99, 420, 509. 23

Stock of coins.—The stock of coins in the United States is estimated to total \$2,012,488,151 on June 30, 1952. Included are \$491,896,851 in standard silver dollars, \$1,117,889,100 in subsidiary silver coins, and \$402,702,200 in minor coins.

Medals.—The number of service medals and other distinguishing decorations delivered to the Department of Defense and other Federal Government agencies totaled 62,155 during the fiscal year 1952. In addition, 3,289 medals of a national character were sold to the public.

Coinage dies.—The Engraving Department issued 8,732 working dies for coinage operations in the three mints during the fiscal year 1952. Included were 8,282 domestic coinage dies and 450 foreign coinage dies. The Engravers also produced numerous other required items, including medal dies, sketches, sculptured models, etc.

Gold and silver bullion deposit transactions.—The mints and assay offices made a total of 9,308 deposit transactions and 17,329 assay determinations in connection with deposits and purchases of gold valued at \$1,745,864,861, and silver amounting to 81,273,745 fine ounces during the fiscal year 1952. Included were 17 deposit transactions and 544 assay determinations for intermint transfers of gold valued at \$10,003,758, and silver amounting to 279,521 fine ounces. These transactions are further classified in the following statement:

[On quantity basis, see Bases Used for Mint Service Statistics]

Deposits and purchases of gold:	Value
Purchases at \$20.67+ per fine ounce.....	\$1, 284
Increment to \$35 per fine ounce.....	890
Purchases at \$35 per fine ounce.....	1, 735, 764, 186
United States coin transferred at \$35 per fine ounce (melted).....	94, 743
Intermint transfers.....	10, 003, 758
Total gold.....	1, 745, 864, 861
Deposits and purchases of silver:	Fine ounces
Newly mined domestic silver.....	38, 782, 167
Silver contained in gold deposits, etc.....	95, 790
Silver received in exchange for Government-stamped bars....	372, 613
Recoinage bullion from uncurrent United States silver dollars.....	249, 230
Recoinage bullion from all other United States silver coin....	1, 233, 906
Redeposits ¹	36, 639, 574
Deposits in trust by foreign governments.....	3, 620, 944
Intermint transfers.....	279, 521
Total silver.....	81, 273, 745
Total gold and silver deposit transactions.....	Number 9, 308
Total gold and silver assay determinations.....	17, 329

¹ Consists of Treasury silver previously held by the Reconstruction Finance Corporation.

Refinery production of gold and silver.—During the fiscal year 1952 the refineries produced by the electrolytic process 1,040,198 fine ounces (36 tons) of gold and 1,262,800 fine ounces (43 tons) of silver. In addition, 1,702,012 fine ounces (58 tons) of gold and 187,425 fine ounces (6 tons) of silver were subject to fire process only.

Issue bars manufactured.—The mints and assay offices manufactured a total of 12,539 issue bars containing 4,003,146 fine ounces (137 tons) of gold and a total of 1,769 issue bars containing 377,071 fine ounces (13 tons) of silver during the fiscal year.

Stock of unrefined bullion.—On June 30, 1952 the stock of unrefined bullion held by the mints and assay offices, in terms of the assayed fine metal content, amounted to 962 tons of gold and 641 tons of silver, a total of 1,603 tons.

Monetization of silver bullion.—A total of 27,700,000 fine ounces of silver bullion was revalued as security for silver certificates during the year. Seigniorage, the difference between the cost value of \$25,069,898.85 and the monetary value of \$35,814,141.35, amounted to \$10,744,242.50.

Sales of gold for industrial use.—Sales of gold bars by the mints and assay offices for industrial, professional, and artistic use totaled \$57,-868,844.65 during the fiscal year. Monthly sales are shown in the following table:

[On value basis, see Bases Used for Mint Service Statistics]

Month	Value of gold bars sold	Month	Value of gold bars sold
1951:		1952:	
July.....	\$2, 584, 649. 16	January.....	\$5, 380, 418. 89
August.....	4, 115, 660. 75	February.....	3, 911, 746. 81
September.....	6, 989, 043. 09	March.....	4, 333, 493. 37
October.....	7, 230, 804. 03	April.....	3, 620, 954. 99
November.....	5, 786, 258. 73	May.....	5, 107, 830. 47
December.....	5, 394, 800. 29	June.....	3, 413, 184. 07
		Total.....	57, 868, 844. 65

Sales of silver for industrial use.—Sales of silver under the act of July 31, 1946 (60 Stat. 750), amounted to 8,543 fine ounces during the fiscal year 1952. Sales were made at \$0.91 per fine ounce. No silver has been leased for industrial use under this act since its enactment.

Stock of monetary bullion.—The mint institutions held 667,040,273 fine ounces (22,870 tons) of gold bullion valued at \$23,346,409,526.73 on June 30, 1952; and on the same date, 1,323,621,488.92 fine ounces (45,381 tons) of silver bullion, of which 1,281,109,243.41 fine ounces (43,924 tons) were held in regular account, and 42,512,245.51 fine ounces (1,457 tons) were held in special account. As silver in the latter account, returned to the mint institutions from nonconsumptive use in defense plants, is melted and recast into regular mint bars, it is transferred into the regular accounts.

Receipts and disbursements of gold bullion.—Receipts and disbursements of gold bullion during the fiscal year 1952, and balances on hand at the beginning and close of the year, are shown in the following table:

RECEIPTS AND DISBURSEMENTS OF GOLD BULLION

Institution	Balance on hand June 30, 1951	Receipts during fiscal year 1952 (details below) ¹	Total	Disbursements during fiscal year 1952 (de- tails below) ¹	Balance on hand June 30, 1952
Philadelphia.....	\$1,041,950.66	\$1,859,206.68	\$5,901,157.34	\$2,579,968.76	\$3,321,188.58
San Francisco.....	537,707,009.45	23,233,325.39	560,940,334.84	2,532,998.24	558,407,336.60
Denver.....	5,794,539,426.82	23,607,600.88	5,818,147,027.70	2,822,158.33	5,815,324,869.37
New York.....	2,935,460,313.34	1,689,309,013.17	4,624,769,326.51	139,430,806.84	4,485,338,519.67
Seattle.....	645,770.13	8,048,715.01	8,694,485.14	8,092,232.91	602,252.23
Fort Knox.....	12,483,415,360.28	-----	12,483,415,360.28	-----	12,483,415,360.28
Total.....	21,755,809,830.68	1,746,057,861.13	23,501,867,691.81	155,458,165.08	23,346,409,526.73

¹ Includes transfers.

DETAILED RECEIPTS OF GOLD BULLION

Institution	Deposits (includ- ing melted coin)	Surplus bullion (including ship- ment gains)	Transfers from mints and assay offices	Inerement to \$35 per ounce on receipts at \$20.67+	Total receipts
Philadelphia.....	\$1,856,571.78	\$2,402.94	-----	\$231.96	\$1,859,206.68
San Francisco.....	15,136,176.02	2,967.37	\$8,093,982.91	199.09	23,233,325.39
Denver.....	23,599,051.24	8,251.39	-----	298.25	23,607,600.88
New York.....	1,687,399,093.16	1,792.21	1,908,085.45	42.35	1,689,309,013.17
Seattle.....	8,047,341.81	554.72	700.00	118.48	8,048,715.01
Fort Knox.....	-----	-----	-----	-----	-----
Total.....	1,736,038,234.01	15,968.63	10,002,768.36	890.13	1,746,057,861.13

DETAILED DISBURSEMENTS OF GOLD BULLION

Institution	Fine and im- ported bars paid to depositories or sold for cash	Transfers to mints, assay offices, and depositories	Sold in sweeps, manufactures, etc., and operating losses	Total disburse- ments
Philadelphia.....	\$664,151.51	\$1,908,085.45	\$7,731.80	\$2,579,968.76
San Francisco.....	2,449,267.37	-----	83,730.87	2,532,998.24
Denver.....	2,822,158.33	-----	-----	2,822,158.33
New York.....	139,395,169.21	2,450.00	33,187.63	139,430,806.84
Seattle.....	-----	8,092,232.91	-----	8,092,232.91
Fort Knox.....	-----	-----	-----	-----
Total.....	145,330,746.42	10,002,768.36	124,650.30	155,458,165.08

Melting and refining and coining departments.—The operations of the melting and refining and of the coining departments of the three mints and the New York Assay Office are shown in the table following. The data are based upon the figures obtained at the settlements of the accounts for the fiscal year 1952. Legal limits of wastage on the whole amount delivered by the superintendent to the operative offices, as prescribed in section 3542 of the Revised Statutes, are as follows: Melter and refiner—gold, 0.001; silver, 0.0015; coiner—gold, 0.0005; silver, 0.001.

Operations of the melting and refining and of the coining departments, fiscal year 1952

GOLD BULLION

Institution	Amount received	Amount returned	Amount operated upon, including reworked metal	Legal amount of wastage on amount received	Surplus recovered	Wastage	Wastage per 1,000 ounces operated upon
Philadelphia Mint:	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>
Melting and refining.....	169,273	169,401	72,110	169	127		
Coining (Medals).....	1,748	1,767		1	19		
San Francisco Mint:							
Melting and refining.....	4,704,093	4,704,078	1,589,882	4,704		15	0.0094
Coining (Sweeps).....	2	5			3		
Denver Mint:							
Melting and refining.....	16,543,963	16,544,038	16,544,038	16,544	75		
Coining.....							
New York Assay Office:							
Melting and refining.....	23,982,680	23,982,719	13,429,206	23,983	38		
Total melting and refining.....	45,400,009	45,400,236	31,635,236	45,400	240	15	.0005
Total coining.....	1,750	1,772		1	22		
Grand total.....	45,401,759	45,402,008	31,635,236	45,401	262	15	.0005

SILVER BULLION

Philadelphia Mint:	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>
Melting and refining.....	119,883,995	119,906,365	48,478,011	179,825	22,370		
Coining.....	49,238,442	49,216,361	49,190,889	49,238		22,081	0.4489
San Francisco Mint:							
Melting and refining.....	72,405,400	72,415,859	19,487,263	108,608	10,458		
Coining.....	15,056,096	15,052,884	15,056,096	15,056		3,212	.2133
Denver Mint:							
Melting and refining.....	219,074,813	219,090,004	219,090,004	328,613	15,191		
Coining.....	44,367,681	44,355,962	43,610,865	44,367		11,720	.2687
New York Assay Office:							
Melting and refining.....	9,984,284	9,986,911	1,893,057	14,976	2,627		
Total melting and refining.....	421,348,492	421,399,139	288,948,335	632,022	50,646		
Total coining.....	108,662,219	108,625,207	107,857,850	108,661		37,013	.3432
Grand total.....	530,010,711	530,024,346	396,806,185	740,683	50,646	37,013	.0933

NICKEL COINAGE METAL

Philadelphia Mint:	<i>Gross ounces</i>	<i>Gross ounces</i>	<i>Gross ounces</i>	<i>Gross ounces</i>	<i>Gross ounces</i>	<i>Gross ounces</i>	<i>Gross ounces</i>
Melting and refining.....	12,175,344	12,077,321	11,837,231			98,022	8.2808
Coining.....	15,613,297	15,604,197	13,842,775			9,100	.6574
San Francisco Mint:							
Melting and refining.....	3,184,555	3,182,545	1,917,325			2,009	1.0478
Coining.....	2,688,931	2,677,234	2,688,931			11,697	4.3501
Denver Mint:							
Melting and refining.....	6,034,927	6,033,404	6,034,927			1,523	.2524
Coining.....	6,233,777	6,227,751	5,846,502			6,026	1.0307
Total melting and refining.....	21,394,826	21,293,270	19,789,483			101,554	5.1317
Total coining.....	24,536,005	24,509,182	22,378,208			26,823	1.1986
Grand total.....	45,930,831	45,802,452	42,167,691			128,377	3.0444

BRONZE COINAGE METAL

Philadelphia Mint:	<i>Gross ounces</i>	<i>Gross ounces</i>	<i>Gross ounces</i>	<i>Gross ounces</i>	<i>Gross ounces</i>	<i>Gross ounces</i>	<i>Gross ounces</i>
Melting and refining.....	39,724,742	39,638,727	35,899,272			86,015	2.3960
Coining.....	36,587,094	36,363,722	35,078,104			223,372	6.3678
San Francisco Mint:							
Melting and refining.....	23,412,195	23,394,079	17,443,685			18,116	1.0385
Coining.....	21,021,395	21,021,290	21,021,395			104	.0049
Denver Mint:							
Melting and refining.....	102,527,043	102,417,951	102,527,043			109,092	1.0640
Coining.....	105,816,968	105,749,803	104,859,844			67,165	.6405
Total melting and refining.....	165,663,980	165,450,757	155,870,000			213,223	1.3680
Total coining.....	163,425,457	163,134,815	160,959,343			290,641	1.8057
Grand total.....	329,089,437	328,585,572	316,829,343			503,864	1.5903

Bullion gains and losses, wastage of coinage metal and loss on sale of sweeps, and sweeps cellar operations.—Data on these items for the fiscal year 1952 are shown in the three tables following:

Bullion gains and losses, fiscal year 1952

Item	Mint at—			Assay office at—		Total
	Philadel- phia	San Fran- cisco	Denver	New York	Seattle	
Recovered from melting and refining and coining operations.....	\$1, 376. 29	\$513. 46	\$7, 269. 53	\$3, 510. 83	-----	\$12, 670. 11
Recovered incident to receipt of bullion deposits.....	2, 441. 09	1, 860. 88	4, 201. 37	458. 66	\$557. 54	9, 519. 54
Gains on lightweight and mutilated coin received for recoinage.....	20. 87	6. 07	23. 54	-----	-----	50. 48
Gains on bullion shipments.....	-----	890. 44	-----	-----	-----	890. 44
Total gains.....	3, 838. 25	3, 270. 85	11, 494. 44	3, 969. 49	557. 54	23, 130. 57
Wasted in refining and coining operations.....	395. 68	9, 867. 19	-----	-----	-----	10, 262. 87
Net gains.....	3, 442. 57	-6, 596. 34	11, 494. 44	3, 969. 49	557. 54	12, 867. 70

Wastage of coinage metal and loss on sale of sweeps, fiscal year 1952

Item	Mint at—			New York Assay Office	Total
	Philadel- phia	San Fran- cisco	Denver		
Silver wastage:					
Melting and refining department.....				-----	-----
Coining department.....	\$18, 467. 42	\$2, 286. 66	\$6, 148. 86	-----	\$26, 902. 94
Nickel wastage:					
Melting and refining department.....		38. 96	33. 01	-----	71. 97
Coining department.....	2, 151. 68	226. 80	130. 57	-----	2, 509. 05
Bronze wastage:					
Melting and refining department.....		349. 76	1, 818. 44	-----	2, 168. 20
Coining department.....	5, 177. 92	3. 53	1, 119. 56	-----	6, 301. 01
Loss on sale of sweeps.....	-----	-----	-----	-----	-----
Total wastage and loss.....	25, 797. 02	2, 905. 71	9, 250. 44	-----	37, 953. 17
Reimbursements:					
Silver, departmental wastage offset by other departmental surpluses.....	18, 467. 42	2, 286. 66	6, 148. 86	-----	26, 902. 94
Silver wastage from silver profit fund.....				-----	-----
Nickel and bronze wastage from minor coinage profits.....	7, 086. 42	619. 05	3, 101. 58	-----	10, 807. 05
Nickel and bronze wastage offset by charges to foreign metal accounts.....	243. 18	-----	-----	-----	243. 18
Other wastages, and loss on sweeps from appropriations.....	-----	-----	-----	-----	-----
Total reimbursements.....	25, 797. 02	2, 905. 71	9, 250. 44	-----	37, 953. 17

Sweeps cellar operations (includes crushed discarded melting pots, etc.), fiscal year 1952

Institution	Source	Material (quantity)		Metal content			
		Bags	Net avoir- dupois	Bars recovered		Tailings	
				Gold	Silver	Gold	Silver
		<i>Number</i>	<i>Pounds</i>	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>
Philadelphia Mint.....	Melting and refining..	84	8,400	1.516	5,506.38	14.913	11,718.43
	Coining.....	30	3,000	.303	1,388.14	5.823	6,079.43
	Deposits.....	15	1,500			191.178	151.17
Total.....		129	12,900	1.819	6,894.52	211.914	17,949.03
San Francisco Mint.....	Melting and refining..	134	9,877			21.281	1,207.38
	Refinery.....	468	52,012			2,538.674	3,970.35
	Coining.....	6	641			3.171	442.76
	Deposits.....	18	1,604			34.303	77.17
Total.....		626	64,134			2,597.429	5,697.66
Denver Mint.....	Refinery.....	157	12,723			46.056	1,633.01
	Coining.....						
	Deposits.....	64	5,705			133.329	162.32
Total.....		221	18,428			179.385	1,795.33
New York Assay Office..	Refinery.....	280	20,608			658.420	2,782.05
	Deposits.....	317	21,033			922.839	2,263.72
Total.....		597	41,641			1,581.259	5,045.77
Grand total.....		1,573	137,103	1.819	6,894.52	4,569.987	30,487.79

Management Improvement Program.—The Management Improvement Program of the Bureau of the Mint, considerably intensified during recent years, was actively carried on throughout the fiscal year 1952. Techniques employed in the Program include periodic surveys and inspections of operations in the Mint plants by top officials of the Bureau of the Mint; conferences of operating officials and appointment of special committees for conducting the Program; inspection trips by Mint technicians to outside industries having operations comparable to the Mint's; motion picture training programs; special research projects; periodic progress reporting by individual management committees of each Mint plant; studies and appraisals involving comparative operative costs, production records, and intermediary operations in the several plants; and other diversified methods suitable to the various functions of the Bureau of the Mint.

A large number of effective methods and procedures have been developed and adopted under the Management Improvement Program, resulting in a greatly improved Mint Service as a whole. In the case of coinage manufacture, which is the Mint's principal function, production costs have been substantially reduced. Major improvements in coinage operations are attributed to the installation at the Denver Mint of high-powered melting and rolling equipment which handles a 400-pound ingot in place of the former 6-pound size; adoption of wider ingots at both the Philadelphia and San Francisco Mints; and installation of other improved operating and handling equipment for various coinage processes. As a result of these and numerous other technical improvements, coinage costs are much

lower at present than they were several years ago, even though average salary costs in the Mint Service have increased approximately 75 percent during the last several years.

The following table presents a comparison of coinage production costs for each of the various denominations minted during the fiscal year 1946 as compared with the fiscal year 1952. Costs are also shown for the fiscal year 1951 demonstrating the additional progress made during the past year.

Coinage production costs per 1,000 pieces for specified fiscal years

<i>Fiscal year</i>	<i>Denomination</i>				
	<i>1 cent</i>	<i>5 cents</i>	<i>10 cents</i>	<i>25 cents</i>	<i>50 cents</i>
1946-----	\$1. 59	\$2. 81	\$2. 12	\$5. 10	\$8. 25
1951-----	1. 21	3. 22	2. 10	4. 51	7. 59
1952-----	1. 10	2. 99	1. 71	3. 49	6. 79

Operational improvements effected during the past year contributing to the above cost reductions include (a) adoption of methods for increased production from dies and collars; (b) adoption of bronze ingot of increased thickness at the Philadelphia Mint; (c) improved operation and maintenance of coin presses; (d) installation of overhead conveyors in operating divisions; (e) installation of a second vibrating riddle; (f) increased mold life for water-cooled units; (g) improvement of upsetting operations; and (h) other miscellaneous improvements. In addition, a substantial amount of time and effort was directed toward perfection and extension of technical improvements upon installations made during previous years.

Considerable attention was also given during the past year to a program for more complete modernization of coinage facilities at the Philadelphia Mint. Technicians from several prominent rolling mill companies were called in to survey and study available space to determine whether more efficient equipment could be profitably utilized in the present building. Proposals submitted by these companies resulting from their surveys were carefully reviewed, and a plan was selected by the Mint which calls for the revamping of present machinery with minimum building alterations. It was determined that operations in the Melting and Rolling Divisions at Philadelphia could be mechanized to provide for the processing of a 400-pound bronze ingot in place of the present 30-pound size, as at Denver where 400-pound ingots are now processed. Estimated savings from operational improvements at Philadelphia would pay for equipment costs in about four years. The request for a supplemental appropriation in the amount of \$480,000 to finance this project was disallowed by the Bureau of the Budget which suggested that a request for funds be included in the appropriation estimate for the fiscal year 1954. Action on this project is therefore temporarily postponed. Funds will be requested in the 1954 appropriation for modernization of the Philadelphia Mint.

The Electronics Division of the Bureau of Standards, Washington, D. C., working in collaboration with technicians from the Mint, has undertaken construction of an automatic coin-blank weighing machine which would utilize electronic principles. Progress was made on this machine during the past year with experimentation on a working

model. It is now expected that a complete weighing machine will be constructed in the near future, and that this type of equipment will greatly reduce coin-blank weighing costs.

The motion picture training program was continued during the past year, and motion pictures of mechanical operations in each Mint were shown to all Mint officials and workers to stimulate interest and to demonstrate the most efficient coinage methods in effect. Motion pictures are taken of every new development at each Mint plant and are shown to personnel at other plants so that applicable improvements may be adopted in all. Also a number of films on operations of outside industrial plants similar to the Mint's have been shown to management committee members and other key personnel so that applicable technological advances made by private industry could be adopted, where possible, in the Mint.

Continuing emphasis was given to the Mint's Safety Program during the past year. Individual safety committees in each operating division of the Mint, composed of supervisors, foremen, and workers, meet each month to discuss potential accident hazards in their divisions, and report in writing to the Superintendent's Safety Committee. The latter Committee meets monthly to inspect the entire plant and makes recommendations for changes to the Superintendent. Safety posters and motion pictures on shop safety, produced commercially, are shown periodically to Mint employees for the purpose of emphasizing the Safety Program. Progress made during the past year is indicated in the following comparison:

Comparison of accident records

	<i>Fiscal year 1951</i>	<i>Fiscal year 1952</i>
Frequency rate ¹ -----	46.45	16.1
Severity rate ² -----	.88	.46

Continuing publicity was also given during the past year to the Incentive Awards Program through the use of posters, public presentation of awards, and similar methods. Total awards to Mint employees under this program amounted to \$4,715, including one group award for efficiency under Title X of Public Law 429, for estimated savings on an annual basis amounting to \$720,400. A total of 38 suggestions for improved procedures were made by employees during the past year, and 14 cash awards for suggestions were made.

Additional progress was made in the Accounting Improvement Program during the past year, particularly in the fields of bullion and monetary accounting, and cost accounting. Revised bullion accounting procedures were adopted, including a new journal and improved general ledgers, and the Bullion Accounting Manual was completed. Cost accounting forms have been revised to conform with present budget activity classifications, and progress has been made on revision of the Cost Accounting Manual. Continuing attention was also given to revision of the General Accounting Manual and necessary changes were effected as required by instructions issued

¹ The number of disabling injuries per 1 million man-hours worked.

² The number of days lost per 1 thousand man-hours worked.

in connection with the Government-wide Joint Accounting Improvement Program, or to reflect the adoption of new or revised accounting procedures more suitable to the Mint's operations.

Annual Assay Commission of 1952.—The Annual Assay Commission met at the Philadelphia Mint the second Wednesday in February 1952, as required by law, to examine and test the weight and fineness of United States coins reserved from the 1951 calendar year's coinage. Members of this Commission are partly *ex officio*, and the others, citizens who serve without compensation, are appointed each year by the President of the United States. In accordance with statutory requirements, one silver coin from each 10,000 silver coins manufactured at the several mints is selected at random and reserved for this examination. At conclusion of the tests the Commission reported that the coins met fully the prescribed legal standards, and that the trial was entirely satisfactory.

Special assays.—In addition to tests of the Annual Assay Commission, comprehensive metallurgical and chemical tests from each day's production of silver coins are made in the laboratory of the Director of the Mint in Washington. Coins are not released for circulation until such tests have been conducted and the coins found to meet legally prescribed standards.

Silver coins manufactured by United States Mints for foreign governments are also tested in the laboratory to determine that legally prescribed coinage standards of the countries concerned are fully met.

Annual and special settlements.—A general settlement of accounts, with physical inventory of all bullion, coin, currency, and other values, is made annually during the month of June at the coinage mints and the assay offices. Special settlements and examinations are also made as required. Settlements are conducted under the immediate supervision of special committees appointed each time by and representing the Director of the Mint. Members of the committees are composed of officers of the Bureau of the Mint from institutions other than the one at which the settlement is being conducted.

Production and consumption of gold and silver in the United States.—During the calendar year 1951 the total production of gold and silver refined from ores mined in the several States and Territory of Alaska was as follows: 1,894,726 fine troy ounces of gold valued at \$66,315,410; and 39,907,257 fine ounces of silver.

During the calendar year 1951 the net amount of gold and silver issued for industrial, professional, and artistic use in the United States was as follows: Gold, \$69,476,979; and silver, 105,000,000 fine troy ounces.

Further details on United States production and consumption of gold and silver appear in the next section of this Report.

Personnel of the Bureau of the Mint.—The number of employees assigned to various functions in the departmental and field offices of

the Bureau of the Mint on June 30, 1952, compared with the number on June 30, 1951, is shown in the following table:

Personnel of the Bureau of the Mint

Bureau of the Mint	Established under act of—	Number of employees									Total	
		General	Coining	Melting and refining	Deposits	Guard force	Mechanical	Engraving	Assaying	Custodial force	June 30, 1952	June 30, 1951
Office of the Director.....	Feb. 12, 1873.....	60									60	57
Philadelphia Mint.....	Apr. 2, 1792.....	48	112	52	10	34	37	16	6	10	325	314
San Francisco Mint.....	July 3, 1852.....	23	37	40	7	24	24		7	5	167	168
Denver Mint.....	Apr. 21, 1862.....	35	108	41	6	26	31		6	6	259	219
New York Assay Office.....	Mar. 3, 1853.....	30		43	15	24	11		17	6	146	146
West Point Depository.....	June 22, 1936.....					16	1				17	17
Seattle Assay Office.....	May 21, 1898.....	3			3	3			2		11	10
Fort Knox Depository.....	Aug. 13, 1935.....	3				28	2			2	35	35
Total, June 30, 1952.....		202	257	176	41	155	106	16	38	29	1,020	
Total, June 30, 1951.....		184	202	183	49	156	102	16	38	36		966

The foregoing report, covering the operation of the mints, assay offices, and the bullion depositories of the United States for the fiscal year ended June 30, 1952, is respectfully submitted.

NELLIE TAYLOE ROSS,

Director of the Mint.

HON. JOHN W. SNYDER,

Secretary of the Treasury.

REPORT OF THE DIRECTOR OF THE MINT ON THE
PRODUCTION AND CONSUMPTION OF GOLD AND
SILVER IN THE UNITED STATES FOR
THE CALENDAR YEAR 1951

REPORT ON PRODUCTION AND CONSUMPTION OF
GOLD AND SILVER IN THE UNITED STATES
FOR THE CALENDAR YEAR 1951

INTRODUCTION

The official estimate of production of gold and silver in the United States, made by the Bureau of the Mint, is based upon arrivals at United States mints and assay offices and at privately owned refineries. The mints and assay offices determine the State source of all newly mined unrefined material at the time deposits are received. The State source of material received by privately owned refineries is determined from information submitted by them and by intervening smelters, mills, etc., involved in the reduction processes.

The estimated industrial consumption of gold and silver is based upon issues by mints and assay offices, private refiners, dealers and manufacturers, plus an estimate of domestic coin melted for industrial use. From the total thus calculated there is deducted the old jewelry, plate, scrap, etc., received by the same concerns, giving net materials issued.

Gold production.—Production of gold from United States mines amounted to 1,894,726 fine troy ounces with a value of \$66,315,410 during the calendar year 1951. This was a decrease of 17.2 percent from the 1950 production of 2,288,708 fine ounces valued at \$80,104,780 but only 1.4 percent lower than the 1,921,949 fine ounces valued at \$67,268,215 produced in 1949. The State of South Dakota ranked first as in 1949 and 1950 with a production of over \$16 million in 1951; Utah and California ranked second and third, respectively, each with over \$12 million; next, Alaska, over \$7 million, Nevada, \$4 million; and Arizona and Colorado, \$3 million each. Production for the 16 States and Territory of Alaska for the calendar years 1950 and 1951 with percentage change for the latter year are shown in the following table:

Production of gold mined in the several States and Territory of Alaska (based upon arrivals at United States mints and assay offices and at private refineries)

State in which mined	Calendar year 1950		Calendar year 1951		Increase or decrease (—) in 1951	
	<i>Fine ounces</i>	<i>Value ¹</i>	<i>Fine ounces</i>	<i>Value ¹</i>	<i>Fine ounces</i>	<i>Percent ²</i>
Alaska.....	275, 529	\$9, 643, 515	208, 176	\$7, 286, 160	—67, 353	—24. 4
Arizona.....	110, 733	3, 875, 655	109, 889	3, 846, 115	—844	— . 8
California.....	409, 776	14, 342, 160	347, 154	12, 150, 390	—62, 622	—15. 3
Colorado.....	124, 053	4, 341, 855	108, 120	3, 784, 200	—15, 933	—12. 8
Idaho.....	69, 336	2, 426, 760	56, 245	1, 968, 575	—13, 091	—18. 9
Montana.....	56, 786	1, 987, 510	32, 228	1, 127, 980	—24, 558	—43. 2
Nevada.....	169, 576	5, 935, 160	121, 976	4, 269, 160	—47, 600	—28. 1
New Mexico.....	6, 574	230, 090	4, 144	145, 040	—2, 430	—37. 0
Oregon.....	10, 361	362, 635	8, 687	304, 045	—1, 674	—16. 2
Pennsylvania.....	2, 051	71, 785	2, 155	75, 425	104	5. 1
South Dakota.....	571, 834	20, 014, 190	462, 685	16, 193, 975	—109, 149	—19. 1
Tennessec.....	106	3, 710	79	2, 765	—27	-----
Texas.....	55	1, 925	40	1, 400	—15	-----
Utah.....	392, 289	13, 730, 115	362, 031	12, 671, 085	—30, 258	—7. 7
Vermont.....	140	4, 900	156	5, 460	16	-----
Washington.....	89, 413	3, 129, 455	70, 941	2, 482, 935	—18, 472	—20. 7
Wyoming.....	96	3, 360	20	700	—76	-----
Total.....	2, 288, 708	80, 104, 780	1, 894, 726	66, 315, 410	—393, 982	—17. 2

¹ Gold valued at \$35 per fine troy ounce.

² Percentage change not calculated for States with lower output.

The grand total production of gold in the United States and its possessions since 1792 amounts to 286,271,171 fine troy ounces. Annual totals are shown in the following table:

Estimated production of gold in the United States since 1792—in fine troy ounces ¹

Year	Ounces	Year	Ounces
1792-July 31, 1834.....	677, 250	1898.....	3, 118, 398
Aug. 1, 1834-Dec. 31, 1844.....	362, 812	1899.....	3, 437, 210
1845.....	48, 762	1900.....	3, 829, 897
1846.....	55, 341	1901.....	3, 805, 500
1847.....	43, 005	1902.....	3, 870, 000
1848.....	483, 750	1903.....	3, 560, 000
1849.....	1, 935, 000		
1850.....	2, 418, 750	1904.....	3, 892, 480
1851.....	2, 660, 625	1905.....	4, 265, 742
1852.....	2, 902, 500	1906.....	4, 565, 333
		1907.....	4, 374, 827
1853.....	3, 144, 375	1908.....	4, 574, 340
1854.....	2, 902, 500	1909.....	4, 821, 701
1855.....	2, 660, 625	1910.....	4, 657, 017
1856.....	2, 660, 625	1911.....	4, 687, 053
1857.....	2, 660, 625	1912.....	4, 520, 719
1858.....	2, 418, 750	1913.....	4, 299, 784
1859.....	2, 418, 750		
1860.....	2, 225, 250	1914.....	4, 572, 976
1861.....	2, 080, 125	1915.....	4, 887, 604
1862.....	1, 896, 300	1916.....	4, 479, 057
		1917.....	4, 051, 440
1863.....	1, 935, 000	1918.....	3, 320, 784
1864.....	2, 230, 087	1919.....	2, 918, 628
1865.....	2, 574, 759	1920.....	2, 476, 156
1866.....	2, 588, 062	1921.....	2, 422, 006
1867.....	2, 502, 196	1922.....	2, 363, 075
1868.....	2, 322, 000	1923.....	2, 502, 632
1869.....	2, 394, 562		
1870.....	2, 418, 750	1924.....	2, 528, 900
1871.....	2, 104, 312	1925.....	2, 411, 987
1872.....	1, 741, 500	1926.....	2, 335, 042
1873.....	1, 741, 500	1927.....	2, 197, 125
Total 1792-1873.....	61, 208, 448	1928.....	2, 233, 251
		1929.....	2, 208, 386
1874.....	1, 620, 122	1930.....	2, 285, 603
1875.....	1, 619, 009	1931.....	2, 395, 878
1876.....	1, 931, 575	1932.....	2, 449, 032
1877.....	2, 268, 662	1933.....	2, 556, 246
1878.....	2, 477, 109		
1879.....	1, 881, 787	1934.....	3, 091, 183
1880.....	1, 741, 500	1935.....	3, 609, 283
1881.....	1, 678, 612	1936.....	4, 357, 394
1882.....	1, 572, 187	1937.....	4, 804, 540
1883.....	1, 451, 250	1938.....	5, 089, 811
		1939.....	5, 611, 171
1884.....	1, 489, 950	1940.....	6, 003, 105
1885.....	1, 538, 373	1941.....	5, 976, 419
1886.....	1, 686, 788	1942.....	3, 741, 806
1887.....	1, 603, 049	1943.....	1, 394, 522
1888.....	1, 604, 478		
1889.....	1, 594, 775	1944.....	1, 022, 238
1890.....	1, 588, 877	1945.....	928, 893
1891.....	1, 604, 840	1946.....	1, 462, 354
1892.....	1, 597, 098	1947.....	2, 165, 318
1893.....	1, 739, 323	1948.....	2, 025, 480
		1949.....	1, 921, 949
1894.....	1, 910, 813	1950.....	2, 288, 708
1895.....	2, 254, 760	1951.....	1, 894, 726
1896.....	2, 568, 132		
1897.....	2, 774, 935	Total 1874-1951.....	225, 062, 723
		Total 1792-1951.....	286, 271, 171

¹ Data for the period 1792-1873 are estimates made by Rossiter Worthington Raymond, the special U. S. Commissioner of Mining Statistics from 1868 through 1876, inclusive. Data from 1874 on are by the Director of the Mint.

The monetary value of gold in the United States since 1792, as provided in the respective monetary laws defining the United States dollar, has been as follows:

<i>Legislative reference</i>	<i>Number of grains of standard gold in one dollar</i>	<i>Fineness (thousandths)</i>	<i>Number of grains of pure gold in one dollar</i>	<i>Value of one fine troy ounce of gold (480 grains)</i>
Act of Apr. 2, 1792----	27	916 $\frac{2}{3}$	24. 75	\$19. 39393939
Act of June 28, 1834----	25. 8	899. 225	23. 2	20. 6896517
Act of Jan. 18, 1837----	25. 8	900	23. 22	20. 67183462
Act of Feb. 12, 1873----	25. 8	900	23. 22	20. 67183462
Act of Mar. 14, 1900----	25. 8	900	23. 22	20. 67183462
Proclamation of Jan. 31, 1934, issued pursuant to act of May 12, 1933, and Gold Reserve Act of Jan. 30, 1934-----	15 $\frac{5}{21}$ (15. 23809524)	900	13. 71428572	35. 00

Silver production.—United States silver production for 20 States and the Territory of Alaska amounted to 39,907,257 fine troy ounces during the calendar year 1951, a decrease of 5.7 percent from 1950, but 14.2 percent higher than the output in 1949. Idaho maintained its previous position as the State of leading production with nearly 16 million ounces in 1951. Montana ranked second with 6.4 million ounces; Utah, third, 6.3 million ounces; these were followed by Arizona, 5 million; Colorado, 3 million; and Nevada with 1 million ounces. A State by State comparison of production for the calendar years 1950 and 1951, and percentage change for the latter year, are shown in the following table:

Production of silver mined in the several States and Territory of Alaska (based upon arrivals at United States mints and assay offices and at private refineries)

State in which mined	Calendar year 1950		Calendar year 1951		Increase or decrease (—) in 1951	
	<i>Fine ounces</i>	<i>Value ¹</i>	<i>Fine ounces</i>	<i>Value ¹</i>	<i>Fine ounces</i>	<i>Percent ²</i>
Alaska-----	50, 471	\$45, 679	30, 180	\$27, 314	—20, 291	—40. 2
Arizona-----	5, 089, 067	4, 605, 863	5, 041, 872	4, 563, 149	—47, 195	— . 9
California-----	1, 000, 315	905, 336	963, 861	872, 343	—36, 454	—3. 6
Colorado-----	3, 342, 669	3, 025, 284	2, 969, 998	2, 687, 998	—372, 671	—11. 1
Idaho-----	15, 993, 035	14, 474, 504	15, 955, 727	14, 440, 739	—37, 308	— . 2
Illinois-----	6, 882	6, 229	3, 000	2, 715	—3, 882	-----
Michigan-----	420	380	274	248	—146	-----
Missouri-----	233, 166	211, 027	172, 661	156, 267	—60, 505	—25. 9
Montana-----	7, 177, 665	6, 496, 149	6, 414, 438	5, 805, 390	—763, 227	—10. 6
Nevada-----	1, 634, 222	1, 479, 053	1, 032, 922	934, 847	—601, 300	—36. 8
New Mexico-----	365, 007	330, 350	410, 028	371, 096	45, 021	12. 3
New York-----	33, 288	30, 127	25, 350	22, 943	—7, 938	—23. 8
Oregon-----	11, 944	10, 810	9, 443	8, 546	—2, 501	—20. 9
Pennsylvania-----	10, 527	9, 527	13, 374	12, 104	2, 847	27. 0
South Dakota-----	142, 863	129, 298	141, 456	128, 025	—1, 407	—1. 0
Tennessee-----	26, 139	23, 657	19, 039	17, 231	—7, 100	—27. 2
Texas-----	3, 553	3, 216	1, 400	1, 267	—2, 153	-----
Utah-----	6, 798, 701	6, 153, 168	6, 292, 248	5, 694, 802	—506, 453	—7. 4
Vermont-----	27, 861	25, 216	43, 475	39, 347	15, 614	56. 0
Virginia-----	177	160	-----	-----	-----	-----
Washington-----	357, 918	323, 934	366, 505	331, 706	8, 587	2. 4
Wyoming-----	2, 849	2, 578	6	5	—2, 843	-----
Total-----	42, 308, 739	38, 291, 545	39, 907, 257	36, 118, 082	—2, 401, 482	—5. 7

¹ Valued at \$0.9050505 per fine ounce, the purchase price of newly mined domestic silver by the Treasury (act of July 31, 1946).

² Percentage change not calculated for States with lower output.

The grand total production of silver in the United States and its possessions since 1792 amounts to 4,107,094,030 fine troy ounces. Annual totals are shown in the following table:

*Estimated production of silver in the United States since 1792—in fine troy ounces*¹

Year	Ounces	Year	Ounces
1792—July 31, 1834.....	(²)	1898.....	54,438,000
Aug. 1, 1834—Dec. 31, 1844.....	193,400	1899.....	54,764,500
1845.....	38,700	1900.....	57,647,000
1846.....	38,700	1901.....	55,214,000
1847.....	38,700	1902.....	55,500,000
1848.....	38,700	1903.....	54,300,000
1849.....	38,700		
1850.....	38,700	1904.....	57,682,800
1851.....	38,700	1905.....	56,101,600
1852.....	38,700	1906.....	56,517,900
		1907.....	56,514,700
1853.....	38,700	1908.....	52,440,800
1854.....	38,700	1909.....	54,721,500
1855.....	38,700	1910.....	57,137,900
1856.....	38,700	1911.....	60,399,400
1857.....	38,700	1912.....	63,766,800
1858.....	38,700	1913.....	66,801,500
1859.....	77,300		
1860.....	116,000	1914.....	72,455,100
1861.....	1,546,900	1915.....	74,961,075
1862.....	3,480,500	1916.....	74,414,802
		1917.....	71,740,362
1863.....	6,574,200	1918.....	67,810,139
1864.....	8,507,800	1919.....	56,682,445
1865.....	8,701,200	1920.....	55,361,573
1866.....	7,734,400	1921.....	53,052,441
1867.....	10,441,400	1922.....	56,240,048
1868.....	9,281,200	1923.....	73,335,170
1869.....	9,281,200		
1870.....	12,375,000	1924.....	65,407,186
1871.....	17,789,100	1925.....	66,155,424
1872.....	22,236,300	1926.....	62,718,746
1873.....	27,650,400	1927.....	60,434,441
		1928.....	58,462,507
Total 1792-1873.....	146,528,100	1929.....	61,327,868
		1930.....	50,748,127
1874.....	28,868,200	1931.....	30,932,050
1875.....	24,539,300	1932.....	23,980,773
1876.....	29,996,200	1933.....	23,002,629
1877.....	30,777,800		
1878.....	35,022,300	1934.....	32,725,353
1879.....	31,565,500	1935.....	45,924,454
1880.....	30,318,700	1936.....	63,812,176
1881.....	33,257,800	1937.....	71,941,794
1882.....	36,196,900	1938.....	62,665,335
1883.....	35,732,800	1939.....	65,119,513
		1940.....	69,585,734
1884.....	37,743,800	1941.....	72,336,029
1885.....	39,909,400	1942.....	56,090,855
1886.....	39,694,000	1943.....	40,900,121
1887.....	41,721,600		
1888.....	45,792,700	1944.....	35,651,049
1889.....	50,094,500	1945.....	29,063,255
1890.....	54,516,300	1946.....	21,103,269
1891.....	58,330,000	1947.....	38,587,069
1892.....	63,500,000	1948.....	39,228,468
1893.....	60,000,000	1949.....	34,944,554
		1950.....	42,308,739
1894.....	49,500,000	1951.....	39,907,257
1895.....	55,727,000		
1896.....	58,834,800	Total 1874-1951.....	3,960,565,930
1897.....	53,860,000	Total 1792-1951.....	4,107,094,030

¹ Data for the period 1792-1873 are estimates made by Rossiter Worthington Raymond, the special U. S. Commissioner of Mining Statistics from 1868 through 1876, inclusive. Data from 1874 on are by the Director of the Mint.

² Production insignificant.

Price of silver in New York.—The price of silver bullion in the New York silver market averaged 89.368 cents per ounce 0.999 fine during the calendar year 1951. The opening price of 80 cents per ounce on January 2, 3, and 4 was the year's low. No price was quoted on January 5. The following business day, January 8, a price of 90.16 cents was established which was the year's high. On June 7 the price was lowered from 90.16 cents to 87.75 cents, and on June 28, was again raised to 90.16 cents where it remained through October 3. On October 4 the quotation was lowered to 84.75 cents, and on October 5 was moved to 88 cents where it stood throughout the remainder of 1951.

Table No. 35 in the Addenda of this Report sets forth the annual highest, lowest, and average commercial prices of silver in New York since 1874.

Gold and silver consumption.—The net issue of gold and silver for industrial, professional, and artistic use in the United States during the calendar year 1951 is estimated as follows: Gold, \$69,476,979; and silver, 105,000,000 fine ounces. Details comprising the estimate are given in the statement following:

Gold and silver issued for use in industry and the arts in the United States during the calendar year 1951

Item	Gold	Silver
	<i>Value ¹</i>	<i>Fine ounces</i>
Government-stamped bars issued by United States mints and assay offices . .	\$67, 539, 694	² 1, 987, 847
Bullion in various forms issued by private refiners and dealers	37, 472, 400	149, 585, 714
United States coin (estimated)		77, 344
Total amount of material issued	105, 012, 094	151, 650, 905
Old jewelry, plate, serap, etc., returned to private refiners, dealers, and to monetary use	35, 535, 115	46, 650, 905
Net amount of material issued	69, 476, 979	105, 000, 000

¹ Gold valued at \$35 per fine troy ounce.
² Includes 1,633,509 fine ounces of silver sold under the act of July 31, 1946.

Monthly sales of fine gold bars for industrial, professional, and artistic use by United States mints and assay offices in 1951 was as follows:

[On value basis, see Bases Used for Mint Service Statistics]

1951	Value of gold bars issued	1951	Value of gold bars issued
January	\$9, 396, 413. 10	August	\$4, 115, 660. 75
February	9, 821, 318. 76	September	6, 989, 043. 09
March	5, 934, 617. 15	October	7, 230, 804. 03
April	3, 296, 799. 86	November	5, 786, 258. 73
May	3, 415, 443. 95	December	5, 394, 800. 29
June	3, 573, 884. 98	Total	67, 539, 693. 85
July	2, 584, 649. 16		

United States exports and imports of gold and silver.—A summary of United States exports and imports of gold and silver for the calendar year 1951 is given in the following table:

Summary of total United States exports and imports of gold and silver during the calendar year 1951¹

Description	Gold		Silver	
	Exports	Imports	Exports	Imports
Ore and base bullion.....	\$625,058	\$25,495,062	\$58	\$24,788,315
Refined bullion.....	615,171,735	55,757,299	5,527,899	45,680,993
United States coin.....	2,710,692		399,870	5,513,567
Foreign coin.....	11,874,081	6,141	2,662,358	27,485,635
Total.....	630,381,566	81,258,502	8,590,185	103,468,510

¹ Data compiled by the U. S. Department of Commerce, Bureau of the Census, Foreign Trade Division.

REVIEW OF GOLD AND SILVER MINING INDUSTRY FOR THE CALENDAR YEAR 1951

A review of the gold and silver mining industry in the various States and Alaska for the calendar year 1951, for which acknowledgment is made to the Bureau of Mines, United States Department of the Interior, follows. It should be noted that production figures stated therein are based on a mine canvass of recoverable metal and, due principally to the time lag involved before this material reaches the mints and assay offices and private refineries, will not necessarily agree, on a yearly basis, with the figures published by the Bureau of the Mint.

ALASKA

Gold continued to be the commodity with the greatest value of output in Alaska in 1951. However, a 17-percent decrease in production marked a return to the general trend downward which has characterized the industry since the initial postwar upsurge that culminated in 1947, according to Alfred L. Ransome, Juneau Office, Bureau of Mines, Region I, United States Department of the Interior. The recorded production of gold was 239,637 fine ounces (in terms of recoverable metal) valued at \$8,387,295 in 1951 compared to 289,272 fine ounces valued at \$10,124,520 in 1950. The 32,870 fine ounces of silver valued at \$29,749 credited to 1951 production (a 38-percent decrease from the 52,638 fine ounces valued at \$47,640 produced in 1950) was almost entirely the byproduct of gold mining (95 percent) and lead ore (5 percent).

The surprising thing is that gold production was higher than might have been supposed considering the adverse economic conditions under which the gold miners continued to operate, and despite the fact that there was a 36-percent drop in the total number of operations producing gold: 6 operations were classed as lode gold mines, and 140 as placer gold mines in 1951 compared with 11 and 216, respectively, in 1950. Higher-than-ever costs of supplies and equipment, scarcity of equipment and difficulty of obtaining replacement parts, and prohibitively competitive wage rates offered by contractors connected with defense projects in areas adjacent to mines, coupled with an unchanged established U. S. Treasury price of \$35 per fine ounce of gold, posed an almost insurmountable barrier to continued operations of many of the mines.

The sale of unprocessed or "natural" gold on the open market at prices in excess of \$35 per fine ounce apparently was considerably greater in volume than in 1950. The recorded production for 1951 included 18,907 fine ounces of gold contained in natural gold sold on the open market. Specific and accurate data regarding natural gold sales are not readily obtainable. It is possible that some natural gold was produced and sold concerning which no information was available; the quantities involved are believed to be relatively small.

The greatest proportion of gold came from a relatively few mines; the 15 leading gold-producing mines (all placer) in Alaska in 1951 yielded 83 percent of the total recorded gold output of the Territory. The five leading producers (all using bucket-line dredges), which accounted for 67 percent of the total Alaska output of gold, were in order of output: United States Smelting, Refining & Mining Co., Fairbanks Unit, Fairbanks district; United States Smelting, Refining & Mining Co., Nome Unit, Nome district; New York Alaska Gold Dredging Corp., Tuluk-sak-Aniak district; Callahan Zinc-Lead Co., Tolovana district; and Brinker-Johnson Co., Fairbanks district.

The most important producer of silver in Alaska in 1951 was the United States Smelting, Refining & Mining Co., which recovered silver as a byproduct of bucket-line dredging operations in the Fairbanks district, Yukon River Basin region, and the Nome district, Seward Peninsula region. The Riverside mine, a substantial producer of silver as a byproduct from lead ore in 1950, did not operate during 1951. The small percentage of silver from lead ore credited in 1951 came from this property; the material was produced in 1950, but not shipped until 1951.

ARIZONA

Gold production in Arizona in 1951 was 116,093 fine ounces valued at \$4,063,255, a loss of 2,220 ounces (2 percent) from the output of 118,313 fine ounces in 1950 valued at \$4,140,955, according to Paul Luff of the United States Department of the Interior, Bureau of Mines. Most of the gold, as well as silver, produced in the State is a byproduct of copper ore and zinc-lead ore; in 1951 copper ore yielded 83,521 ounces of gold (72 percent of the State total) compared with 79,562 ounces in 1950 and zinc-lead ore 22,182 ounces (19 percent of the State total) compared with 23,744 ounces in 1950. Zinc-copper ore supplied 7,507 ounces of gold (6,334 ounces in 1950); lead ore 297 ounces (1,271 ounces in 1950); siliceous ores, 1,933 ounces (3,492 ounces in 1950); and zinc ore, 15 ounces (85 ounces in 1950). Old tailings and smelter and mill cleanings supplied 482 ounces of gold (3,683 ounces in 1950).

The quantity of gold recovered from lode mines decreased from 118,171 ounces in 1950 to 115,937 ounces in 1951, but that from placers increased from 142 ounces to 156 ounces. Concentrates smelted yielded 92,546 ounces of gold; crude ore, old tailings, etc., smelted 23,062 ounces; and ore amalgamated, 329 ounces.

About 92 percent of the State gold output in 1951 came from six districts—Ajo, Big Bug, Copper Mountain (Morenci), Pioneer (Superior), Verde (Jerome), and Warren (Bisbee). The output from these districts increased from 104,144 ounces in 1950 to 106,919 ounces in 1951. The New Cornelia mine of the Phelps Dodge Corp., Pima County, continued to be the leading gold producer in Arizona. It was followed by the Copper Queen (Bisbee) branch of the Phelps Dodge Corp., Cochise County; the Iron King mine, Yavapai County; the Magma mine, Pinal County; the Morenci branch of the Phelps Dodge Corp., Greenlee County; and the United Verde branch of the Phelps Dodge Corp., Yavapai County. These six properties, all copper mines except the Iron King and part of the Copper Queen, produced 92 percent of the State total gold, and four of the six properties, owned by the Phelps Dodge Corp., produced 65 percent of Arizona's gold output in 1951.

The total gold production in Arizona, in terms of recoverable metal, from 1860 through 1951 has been 11,416,905 ounces valued at \$287,086,830.

The output of recoverable silver in Arizona in 1951 was 5,120,985 fine ounces valued at \$4,634,750, a decrease of 4 percent in quantity and value compared with the 1950 output of 5,325,441 fine ounces valued at \$4,819,793. A decline in production of silver from zinc-lead ore in 1951 caused a decrease in Arizona's silver output. In 1951 copper ore yielded 3,087,865 ounces of silver (60 percent of the State total), an increase of 234,266 ounces (8 percent) over 1950, and zinc-lead ore, 1,143,196 ounces (22 percent of the State total), a decrease of 462,381 ounces (29 percent). Siliceous ores yielded 248,210 ounces of silver (429,868 ounces in 1950); zinc-copper ore, 602,083 ounces (354,302 ounces in 1950); lead ore, 20,839 ounces (45,235 ounces in 1950); zinc-lead-copper ore, zinc ore, and lead-copper ore, 12,354 ounces; and old tailings, 6,427 ounces. Concentrates smelted yielded 3,703,891 ounces of silver; crude ore, old tailings, etc., smelted, 1,416,968 ounces; and ore amalgamated, 115 ounces.

About 78 percent of the State total silver in 1951 came from six districts—Ajo, Big Bug, Copper Mountain (Morenci), Pioneer (Superior), Verde (Jerome), and Warren (Bisbee). The output from these districts decreased from 3,994,546 ounces in 1950 to 3,970,385 ounces in 1951. The Phelps Dodge Corp., with a slightly lower output than in 1950, continued to be the chief silver producer in

Arizona; its four properties (Copper Queen, Morenci, New Cornelia, and United Verde) produced 54 percent of the State silver output in 1951. Other large silver producers were the Iron King, Magma, Ash Peak, Ray (Kennecott Copper Corp.), Flux, and San Xavier (The Eagle-Picher Co.) properties.

The total silver production in Arizona, in terms of recoverable metal, from 1860 through 1951 has been 317,511,400 ounces valued at \$239,731,429.

CALIFORNIA

Adversely affected by the unchanged price of gold and the inflationary trend in the national economy, California gold yield in 1951 fell 18 percent below the 1950 output, according to R. B. Maurer, of the United States Department of the Interior, Bureau of Mines. Silver, largely a byproduct metal in 1951, rose 7 percent over 1950.

The production of recoverable gold from California lode and placer material in 1951 was 339,732 fine ounces (including a relatively small quantity in "natural gold" sold on the open market) valued at \$11,890,620 compared to 412,118 fine ounces valued at \$14,424,130 in 1950. In 1951, 173 lode mines produced 152,108 ounces of gold valued at \$5,323,780, and 121 placer mines supplied 187,624 ounces valued at \$6,566,840. During 1950, 243 lode mines produced 163,815 ounces of gold valued at \$5,733,525, and 186 placer mines produced 248,303 ounces of gold valued at \$8,690,605.

Of the gold output from lode mines, 95 percent was recovered from gold ore, 3 percent from lead ore, and the remainder from zinc ore, gold-silver ore, copper ore, zinc-lead ore, silver ore, and other lode material. Metallurgical data show that 64 percent of the lode gold in 1951 was recovered by amalgamation of ore and old tailings, 30 percent by cyanidation of ore and old tailings, 4 percent by smelting of concentrates, and 2 percent by smelting ore, old tailings, flue dust, pyritic ore residue, and old slag.

Following are 1951 data on placer mining; 1950 figures are given in parentheses. Floating dredges of the bucket-line type washed 68,714,600 (82,514,000) cubic yards of gravel and recovered 175,870 (223,164) ounces of gold valued at \$6,155,450 (\$7,810,740). Dragline dredges—those having a floating washing plant to which gravel is delivered by a dragline excavator—washed 1,363,000 (3,417,900) cubic yards of gravel which yielded 6,652 (15,499) ounces of gold valued at \$232,820 (\$542,465). Nonfloating washing plants, to which gravel was delivered by mechanical means, and used for straight gold dredging, washed 99,900 (76,500) cubic yards of gravel. Gold recovered at all nonfloating washing plants, including commercial rock plants and tungsten mines amounted to 2,210 (3,293) ounces of gold valued at \$77,350 (\$115,255). Hydraulic mines produced 440 (1,468) ounces of gold valued at \$15,400 (\$51,380) from 55,000 (383,400) cubic yards of gravel. Suction dredges accounted for 717 (1,407) ounces of gold valued at \$25,095 (49,245) from 180,500 (263,300) cubic yards of gravel, and drift mines produced 222 (443) ounces of gold valued at \$7,770 (\$15,505) from 2,800 (9,500) cubic yards of gravel. Small-scale, hand-operated equipment, was used to produce 1,513 (3,029) ounces of gold valued at \$52,955 (\$106,015) from 59,200 (204,050) cubic yards of gravel.

Nevada County ranked first among the California gold-producing counties, owing largely to lode mining. Sacramento County was second, due to the productivity of dredges. Sierra County and Amador County followed in order principally because of lode gold produced, and Butte County, in fifth place, derived most of its gold from dredging.

The principal gold producers in California in 1951, listed by operators in order of output, were: The Natomas Co., Sacramento County (dredges); Idaho Maryland Mines Corp., Nevada County (gold ore); Yuba Consolidated Gold Fields, Yuba unit, Yuba County (dredges); Empire Star Mines Co., Ltd., Nevada County (gold ore); and Central Eureka Mining Co., Amador County (gold ore).

Output of silver from California ores, old tailings and other lode material, and gravels in 1951 was 1,145,219 fine ounces valued at \$1,036,481, compared with 1,071,917 fine ounces valued at \$970,139 in 1950. Of the lode silver, 41 percent was derived from zinc-lead ore, 32 percent from lead ore, 16 percent from zinc ore, 5 percent from gold ore, 3 percent from old tailings and other lode material, 2 percent from silver ore, and 1 percent from gold-silver ore, copper ore and lead-copper ore, together. A small quantity of silver was recovered as a byproduct of placer methods carried on principally for gold. Smelting of concentrates supplied 65 percent of the lode silver recovered in California, smelting of ore, old tailings

and other lode material 29 percent, cyanidation of ore and old tailings 4 percent, and amalgamation of ore and old tailings 2 percent.

The principal silver producers in California in 1951, listed by operators in order of output, were: Anaconda Copper Mining Co., Darwin group, Inyo County (zinc-lead ore and lead ore); Anaconda Copper Mining Co. Shoshone group, Inyo County (lead ore); Coronado Copper & Zinc Co., Shasta County (zinc ore); and Penn Chemical Co., Inc., Calaveras County (zinc ore).

COLORADO

The mine output of gold in Colorado in 1951 was 116,503 fine ounces valued at \$4,077,605 compared with 130,390 ounces valued at \$4,563,650 in 1950, according to A. J. Martin of the United States Department of the Interior, Bureau of Mines. The average gold content of the base-metal ores mined declined sharply in 1951, and less gold was recovered from placers than in 1950. The rise in wages and cost of materials, with no change in the domestic price of gold, accentuated the depression in straight gold mining. On the other hand, the advance in prices of and strong demand for copper, lead, and zinc stimulated mining in the districts producing chiefly base metals or gold and silver along with important quantities of the base metals.

The Upper San Miguel district ranked first in gold production, Cripple Creek ranked second, California (Leadville) third, Fairplay fourth, and Animas fifth. Gold production at Cripple Creek increased from 5,779 ounces in 1950 to 27,699 ounces in 1951, owing to the reopening of a number of mines that had shut down early in 1949 to await completion of the 1,000-ton Carlton custom mill of the Golden Cycle Corporation. The mill began commercial operations in April 1951. The increase in gold output in the Cripple Creek district and a moderate increase in the Leadville district were more than offset by a heavy decline in the Upper San Miguel district and material declines in the Animas, Fairplay, Sneffels, and Red Cliff districts. Zinc-lead and zinc-lead-copper ores yielded 49 percent of the State total gold; dry gold and silver ores 35 percent; placers 12 percent; and other ores, old slag, old tailings, and mill clean-ups 4 percent. The leading gold-producing properties, in order of rank, were: Treasury Tunnel-Black Bear (Idarado) group in San Miguel County; Resurrection group at Leadville; Smuggler Union group (Telluride Mines) at Telluride; South Platte Dredging Co. connected-bucket dredge near Fairplay; and Ajax (Golden Cycle Corp.) group at Cripple Creek.

Silver production in 1951 totaled 2,787,882 fine ounces valued at \$2,523,174 compared with 3,492,278 ounces valued at \$3,160,688 in 1950. The decrease in 1951 was due to a decline in the average silver content of the complex and base-metal ores mined. Zinc and zinc-lead-copper ores yielded 54 percent of the State total silver in 1951; dry gold and silver ores 31 percent; and other ores, old slag, old tailings, mill clean-ups, and placer gravel 15 percent. The leading producers of silver were the Treasury Tunnel-Black Bear (Idarado) group in San Miguel County, Eagle mine in Eagle County, Shenandoah-Dives group near Silverton, Emperius Mining Co. group at Creede, and Resurrection group at Leadville.

Ore treated by mills in Colorado in 1951 totaled 1,546,801 tons, from which were recovered 36,775 ounces of gold and 11,727 ounces of silver in bullion shipped direct to the mint and 62,368 ounces of gold and 2,415,903 ounces of silver in concentrates shipped to smelters. Nearly 98 percent of the concentrates comprised zinc, lead, and copper concentrates containing their principal value in base metals. Ore shipped direct to smelters totaled 31,665 tons yielding, in recovered metals, 3,767 ounces of gold, 357,957 ounces of silver, 563,576 pounds of copper, 1,976,527 pounds of lead, and 83,570 pounds of zinc. Placer mines produced 13,593 ounces of gold and 2,295 ounces of silver.

The total production of recovered gold and silver in Colorado from 1858 through 1951 has been 39,730,535 fine ounces of gold valued at \$884,445,689, and 745,170,388 fine ounces of silver valued at \$580,913,798.

IDAHO

The gold output in Idaho in 1951 yielded 45,064 fine ounces valued at \$1,577,240 which represented a 43 percent decline from 1950 production, according to Philip B. Dettmer of the Bureau of Mines, United States Department of the Interior. The sharp decline in gold output can be attributed partially to a 60 percent decline in gold production of the Bradley Mining Co., Yellow Pine mine in Valley County,

The company reported that pit conditions made mining of economic ore difficult, resulting in a great variety of mill feed and poor metallurgical recovery. In addition to the decrease in Yellow Pine production, there was a drop of 8,044 ounces of gold in Idaho County output due primarily to the cessation of operations of the Wild Rose group of placers by the Warren Dredging Co. A summer shortage of underground miners and a labor strike in late August and early September also contributed to the decreased production.

Gold produced from lode mines in 1951 was 33,214 fine ounces compared to 62,091 fine ounces in 1950 and that from placer properties 11,850 fine ounces compared with 17,561 fine ounces. The Yellow Pine mine continued to be by far the largest producer of gold in Idaho; it was followed by the Boise Rochester mine group at Atlanta operated by the Talache Mines Inc., a bucket-line dredge on the Yankee Fork placers in Custer County and operated by Warren Dredging Co., and a bucket-line dredge at Idaho City operated by the Idaho-Canadian Dredging Co. Of the total gold produced in Idaho in 1951, nearly 64 percent came from gold ore, 29 percent from bucket-line dredging, 6 percent from zinc-lead ores, and 2 percent from dragline dredging. Four bucket-line dredges and 11 dragline dredges treated about 1,866,000 cubic yards of gravel in 1951 and recovered 11,603 fine ounces of gold and 4,789 fine ounces of silver.

The total production of gold in Idaho, in terms of recoverable metal, from 1863 through 1951 has been 8,176,730 fine ounces valued at \$188,974,953.

Idaho's output of recoverable silver in 1951 was 14,753,023 fine ounces valued at \$13,352,231, a decline of 1,341,996 ounces from the 1950 production. The State continued to be the largest producer of silver in the United States—a rank held since 1933. The Coeur d'Alene region produced 13,639,808 fine ounces of silver or 92 percent of the State total silver output for 1951. This was 1,416,323 fine ounces less than the region's 1950 output. The 1951 decline in silver production in the Coeur d'Alene region was caused by a summer shortage of underground personnel and a labor strike from late August to early September. Of the State total silver, silver ore yielded 66 percent, zinc-lead ore and old tailings, 28 percent, lead ore 3 percent, and gold ore most of the remainder. The recovery of silver from silver ore increased 65,249 ounces in 1951, decreased 1,377,401 ounces from zinc-lead ores, decreased 338,880 ounces from lead ores, and increased 4,781 ounces from gold ores. Nine mines—the Sunshine, Polaris, Silver Summit, Bunker Hill, Silver Dollar Group, Triumph, Page, Silver Syndicate, and Star mines produced 84 percent of the State total in 1951. Six properties (Sunshine, Polaris, Silver Dollar Group, Silver Syndicate, Sunshine Consolidated, and Metropolitan, near Kellogg,) all operated by the Sunshine Mining Co. produced 7,990,034 ounces of silver in 1951, or 54 percent of the State total.

The total production of silver in Idaho, in terms of recoverable metal, from 1863 through 1951 has been 583,177,365 fine ounces valued at \$415,770,854.

MISSOURI

Silver, a byproduct in the smelting of southeastern Missouri lead ores and complex lead-copper ores, was the only precious metal reported in Missouri according to F. F. Netzeband, of the United States Department of the Interior, Bureau of Mines. No value was attached to silver in the sale of lead concentrates as the quantity recovered per ton of concentrate was so small. The lead and lead-copper concentrates from southeastern Missouri contained from 1 to 2 ounces of silver per ton, and all of the bullion obtained from these concentrates was not desilverized.

In 1951 Missouri produced 184,424 fine ounces of silver which was valued at \$166,913, compared to 236,273 fine ounces, valued at \$213,839 in 1950. The St. Joseph Lead Company, the largest lead producer in the United States in 1951, was the principal silver producer in Missouri. Silver was also recovered from the lead-copper-cobalt-nickel-iron ores mined at Fredericktown, Missouri, by National Lead Company. No gold has been reported from Missouri from 1907 to 1951, the years covered by the annual Bureau of Mines canvasses.

MONTANA

Montana lode mines in 1951 yielded 29,428 fine ounces of gold and placers 1,074 fine ounces—a total of 30,502 ounces valued at \$1,067,570, according to Philip B. Dettmer of the Bureau of Mines, United States Department of the Interior. Montana's gold output in 1951 dropped to the lowest level since 1862 when production totaled 29,025 ounces. Output, which in 1951 was 41 percent under the 1950 figure, declined sharply from both lode and placer operations.

Of the State gold in 1951, 42 percent was derived from gold and silver ores (47 percent in 1950), 54 percent from base metal ores (47 percent in 1950), and nearly 4 percent from placers (6 percent in 1950). Ores milled yielded 74 percent of the total gold and ores shipped to smelters, over 22 percent.

Gold producers in Montana in 1951, each with an output of 1,000 ounces or more, were the properties of the Anaconda Copper Mining Co. (copper ore and waste materials and zinc-lead ore and dumps) at Butte, the Estelle mine of the McLaren Gold Mines Co. in Park County (gold ore), the Drumlummon mine of the St. Louis Drumlummon Mines, in Lewis and Clark County (gold ore), the Cornucopia mine operated by Henry A. Schute (gold ore), and the American Pit (Victoria) mine of the Victoria Mines Inc. (gold ore), both in Madison County. From these five properties came 78 percent of the State total gold in 1951.

The total production of gold in Montana, in terms of recoverable metal, from 1862 through 1951 was 17,350,326 fine ounces valued at \$391,714,622.

The output of silver in terms of recoverable metal in Montana in 1951 was 6,393,768 fine ounces valued at \$5,786,683. Production of silver decreased slightly in 1951. Yield of the metal from zinc-lead ores increased as compared with 1950, but the gain was more than offset by a substantial decline in recovery from copper ore. In 1951 operations of the Anaconda-Copper Mining Co. at Butte supplied 93 percent of the State total silver output. Other important silver producers, in order of decreasing outputs, were the Mike Horse mine of the Mike Horse Mining & Milling Co. at Flesher in Lewis and Clark County, the Alta property of the Lahey Leasing Co. in Jefferson County and the Contact Mining Co. Scratch Awl mine in Granite County. These four operations furnished 96 percent of the State's silver production in 1951.

Zinc-lead ore supplied 71 percent of the State silver in 1951, copper ore 24 percent, gold and silver ores and old tailings, 3 percent, and lead, lead-copper and zinc ores and old slag together, 2 percent. Ore milled yielded 95 percent of the total silver, and smelting ores almost 5 percent. A small quantity of silver was recovered from placer operations.

The total production of silver in Montana, in terms of recoverable metal from 1862 through 1951 has been 781,718,269 fine ounces valued at \$576,551,821:

NEVADA

With precious metal lode mining at a virtual standstill because of unchanged gold and silver prices, Nevada 1951 gold output fell 32 percent below 1950, according to R. B. Maurer, of the United States Department of the Interior, Bureau of Mines. Silver production, down 36 percent in 1951 compared with 1950, was the lowest output recorded from Nevada mines since 1899.

The yield of gold from Nevada lode materials and gravels in 1951 was 121,036 fine ounces valued at \$4,236,260 compared with 178,447 fine ounces valued at \$6,245,645 in 1950. Output of silver in 1951 was 981,669 fine ounces valued at \$888,460 compared with 1,537,217 fine ounces valued at \$1,391,259 in 1950.

Gold was recovered from the following sources: Copper ore, 49 percent; placer gravel, 25 percent; gold ore, 20 percent; zinc-lead ore, 3 percent; and all other lode material, 3 percent. Metallurgical data show that 72 percent of the lode gold was recovered by smelting concentrates, 22 percent by cyaniding ore and old tailings, 3 percent by direct smelting of ore and old tailings, and 3 percent by amalgamation of ore and old tailings.

The leading Nevada gold mines in 1951, listed by operating company and in order of output were: Kennecott Copper Corp. (Nevada Mines Division), White Pine County (copper ore); Round Mountain Gold Dredging Co., Nye County (placer); London Extension Mining Co., Lander County (gold ore); Consolidated Coppermines Corp., White Pine County (copper ore); and Natomas Co., Lander County (dredging).

Nevada silver was recovered from the following sources in 1951: Zinc-lead ore, 49 percent; copper ore, 17 percent; gold-silver ore, 13 percent; lead ore, 10 percent; silver ore, 3 percent; zinc-lead-copper ore, 3 percent; zinc ore, 2 percent; gold ore, 1 percent; placer gravels, 1 percent; and old tailings and slag, together, 1 percent. The smelting of concentrates yielded 66 percent of the silver produced in Nevada in 1951; 20 percent came from the direct smelting of ore, old tailings, and slag; 12 percent was recovered by cyaniding ore and old tailings; and placer gravel accounted for nearly 2 percent. A negligible quantity of silver was recovered by amalgamation of ore.

The principal silver mines in Nevada in 1951, listed by operating company, in order of output were: Combined Metals Reduction Co., Lincoln County (zinc-

lead ore); Summit King Mines, Ltd., Churchill County (gold-silver ore); Kennecott Copper Corp. (Nevada Mines Division), White Pine County (copper ore); Hill & Chiatovich, Nye County (zinc-lead and lead ores); and Copper Canyon Mining Co., Lander County (zinc-lead ore).

NEW MEXICO

New Mexico's output of gold and silver in 1951, recovered mostly as a by-product from base-metal ores, amounted to 3,959 fine ounces of gold valued at \$138,565, and 443,267 fine ounces of silver valued at \$401,179, according to A. J. Martin of the United States Department of the Interior, Bureau of Mines. In 1950 the production was 3,414 ounces of gold, valued at \$119,490, and 338,581 ounces of silver valued at \$306,433.

The gains in 1951 resulted from expanded output of copper, lead, and zinc ores that resulted from high base-metal prices and strong consumer demand for the base metals. Copper ore (including some old copper-bearing tailings) yielded 59 percent of the State total gold and 26 percent of the silver; lead, zinc, and zinc-lead ores nearly 26 percent of the gold and nearly 72 percent of the silver; and gold and silver ores and placer gravel more than 15 percent of the gold and more than 2 percent of the silver. None of the individual mines was a large producer of gold during the year; the largest district output was 1,723 ounces from the Central district. Placer operations yielded only 4 ounces of gold. The principal producers of silver, in order of output, were the Ground Hog and Bayard zinc-lead mines in Grant County, Atwood and Bonney-Miser's Chest copper mines in Hidalgo County, and the Lynchburg zinc-lead mine in Socorro County.

Ores of gold, silver, copper, lead, and zinc mined in New Mexico in 1951, comprised 8,024,111 tons of copper ore, 548,686 tons of zinc ore, 45,098 tons of zinc-lead ore, 40,232 tons of lead ore, 3,223 tons of gold and gold-silver ores, and 20 tons of silver ore. Other material treated comprised 9,119 tons of old tailings and 22,859 tons of copper precipitates. Nearly all the gold-silver ore came from the Carlisle, Alabama, and East Camp mines in the Steeple Rock district, Grant County. Most of the gold ore was mined in a salvage operation during previous years from the Snake group in the Hillsboro district, Sierra County, yielding gold that was marketed in 1951.

The total production of gold and silver in New Mexico, in terms of recovered metals, from 1848 through 1951 has been 2,200,017 fine ounces of gold valued at \$50,334,788, and 69,970,941 fine ounces of silver valued at \$54,950,954:

OREGON

The mine output of gold in Oregon in 1951 yielded 7,927 fine ounces valued at \$277,445, according to Philip B. Dettmer, of the Bureau of Mines, United States Department of the Interior. Production in 1951 decreased 28 percent as compared with 1950. Gold output from placer mines was 21 percent below 1950, due mainly to the suspension of operations by one of the large bucket-line dredges in July 1951. Over 90 percent of the gold produced in the State was recovered by placer operations. Of the total placer output, 95 percent was recovered by bucket-line dredges, 1 percent by dragline dredges, and the remainder by hydraulic methods, drift mining, and small-scale hand methods.

Gold produced by lode mines decreased 63 percent as compared with 1950. The principal producers, which together accounted for nearly 88 percent of the gold recovered from lode mines, were the Champion mine in Lane County, the Buffalo mine, Grant County, and the Bourne Group, Baker County.

Total production of gold in Oregon, in terms of recoverable metal, from 1860 through 1951 has been 5,742,755 fine ounces valued at \$128,959,468.

The output of silver in Oregon in 1951 yielded 6,218 fine ounces valued at \$5,628. This represents a decrease of 54 percent from the 1950 output. Of the total, 96 percent was produced by three lode mines and two placers. These mines, in order of output, were the Buffalo mine (gold ore), Champion mine (gold and zinc-copper ore), Powder River Dredging Co. (bucket-line dredge), Porter & Co. (bucket-line dredge), and the Bourne Group (gold ore).

The total production of silver in Oregon, in terms of recoverable metal, from 1852 through 1951 has been 5,294,338 fine ounces valued at \$4,857,578.

SOUTH DAKOTA

During 1951 production of gold and silver was reported from 5 lode mines and 3 small hand-operated placer mines in South Dakota, according to Samuel A.

Gustavson, of the United States Department of the Interior, Bureau of Mines. Production was reported from only 2 lode mines in 1950. However, output of gold was 19 percent less and silver 2 percent less in 1951 than in 1950. These decreases can be attributed chiefly to a shortage of men for underground work at the Homestake mine.

In terms of recoverable metal, production of gold in 1951 was 458,101 fine ounces valued at \$16,033,535 and silver was 139,590 fine ounces valued at \$126,336. Production in 1950 was 567,996 fine ounces of gold valued at \$19,879,860 and 142,065 fine ounces of silver valued at \$128,576. The total production of gold and silver in South Dakota from 1876 through 1951 has been 23,322,092 fine ounces of gold valued at \$597,870,429 and 10,285,424 fine ounces of silver valued at \$7,440,743.

Virtually all of the gold and silver was produced by the Homestake Mining Co. and the Bald Mountain Mining Co., both located in Lawrence County. During 1951 the Homestake Mining Co. mined and treated by amalgamation and cyanidation methods 1,046,203 tons of ore. The mine is operated through 3 shafts, the deepest being 4,245 feet with an inside winze to the 5,000-foot level. Major additions and changes were made in the crushing plants with a view to more efficient crushing and grinding and to the ultimate elimination of stamp mills. Average over-all recovery in the amalgamation and cyanide plants was 96.79 percent in 1951, compared to 97.03 percent in 1950. Dividends paid by the company in 1951 totaled \$4,319,952. From 1876 to 1951, inclusive, the mine has yielded bullion and concentrates that brought a net return of \$528,863,881 and paid dividends totaling \$175,022,266. The Bald Mountain Mining Co. operated the Portland, Dakota, and Clinton group of mines and 370-ton all-sliming cyanide mill. A total of 120,051 tons of ore was mined and beneficiated during the year, about 6,000 tons less than in 1950. Gold output was about 11 percent less than in 1950, however, due to an increase in the silver content of the ore and improved silver recovery at the mill, silver output was 38 percent greater. Each of three other lode mines, one in Lawrence County and two in Pennington County, and three placer operations, two in Pennington County and one in Custer County, reported recovery of a few ounces of gold or silver.

STATES EAST OF THE MISSISSIPPI

[ILLINOIS, MARYLAND, NEW YORK, PENNSYLVANIA, AND VERMONT; GEORGIA AND TENNESSEE]

Gold and silver production, in terms of recoverable metal, from mines in Illinois, Maryland, New York, Pennsylvania, and Vermont, in 1951, totaled 2,336 fine ounces of gold valued at \$81,760 and 105,908 fine ounces of silver valued at \$95,852, according to Samuel A. Gustavson, of the United States Department of the Interior, Bureau of Mines. Output for these States in 1950 totaled 1,930 fine ounces of gold valued at \$67,550 and 73,397 fine ounces of silver valued at \$66,428.

Illinois: Illinois mines produced 3,465 ounces of silver in 1951, virtually all as a byproduct from the refining of lead produced as a co- or by-product with fluorspar from mines in Southern Illinois. The principal producer of lead concentrates from which the silver was recovered was the Ozark-Mahoning Co. The State's output of silver in 1950 was 2,001 ounces.

Maryland: In Maryland in 1951 production of 1 ounce of gold was credited to the Maryland mine in Montgomery County. In 1950 output was 20 ounces, all from this same mine.

New York: Silver is recovered as a byproduct from refining of lead concentrates produced from mines operated by the St. Joseph Lead Co., chiefly, the Balmat mine in New York. Output, in terms of recoverable silver, was 47,568 ounces in 1951 compared with 32,628 ounces in 1950.

Pennsylvania: All the gold and silver produced in Pennsylvania for several years has been from the Cornwall mine of the Bethlehem Steel Co. in Lebanon County. The chief products from the mine are: Iron, copper, and sulfur. Production of gold and silver in 1951 was 2,179 fine ounces and 13,575 fine ounces, respectively. In 1950 output was 1,764 ounces of gold and 10,563 ounces of silver.

Vermont: The Vermont Copper Co., the only active producer of gold and silver in Vermont, produced 156 ounces of gold and 41,300 ounces of silver in 1951. Output in 1950 was 146 ounces of gold and 28,205 ounces of silver.

Production from Georgia and Tennessee in 1951 was 111 fine ounces of gold valued at \$3,885 and 24,960 fine ounces of silver valued at \$22,590, according to Robert W. Metcalf, of the United States Department of the Interior, Bureau of Mines. In 1950 the output was 160 ounces of gold valued at \$5,600 and 39,958 ounces of silver valued at \$36,164, indicating decreases in 1951 from 1950 in output and value of 31 percent for gold and 38 percent for silver.

In the Southeastern States, most of the gold is recovered as a byproduct of mining copper and is recovered from slimes in the electrolytic refining of this copper. In Georgia, one gold mine was operated spasmodically in 1951 producing 3 fine ounces of gold. The output of this mine constitutes all the output of gold from gold ores in the area in 1951. No gold from placer operations was reported. Economic conditions continued to be unfavorable to lode or placer gold mining. Byproduct source of gold in 1951, as has been the case for a number of years, was copper-iron-zinc ore from the Tennessee Copper Co. Mines, Polk County, Tennessee.

All the silver produced in this area in 1951 was recovered as a byproduct from copper ore by the Tennessee Copper Co., from its Burra Burra, Calloway, Mary, Eureka, and Boyd group of mines in Southeastern Tennessee.

TEXAS

Gold and silver production in Texas in 1951 continued to be of minor importance, being dependent upon exploration and development programs in Presidio, Culbertson, and Hudspeth Counties, according to F. F. Netzeband, of the United States Department of the Interior, Bureau of Mines.

In 1951, Texas produced 32 ounces of gold, valued at \$1,103, compared with 49 ounces, valued at \$1,715 in 1950.

There were 1,381 ounces of silver produced in Texas in 1951, having a value of \$1,259, compared with 2,454 ounces, valued at \$2,221 in 1950. Silver production in Texas has been negligible since 1946 when the famous Presidio mine operated by American Metals Company ceased operations because of rising mining costs, increased volumes of underground water, and a continuing lowering of grade of ore.

UTAH

The mine production of gold in Utah in 1951 was 432,216 fine ounces (all from lode mines) valued at \$15,127,560, according to Paul Luff of the Bureau of Mines, United States Department of the Interior. The output was 25,335 ounces (6 percent) less than the 1950 record output of 457,551 ounces valued at \$16,014,285. Although the output in 1951 was less than in 1950, it was 23 percent above the annual average of the 10-year period (1941-50). Most of the gold produced in Utah is a byproduct of copper ore, and in 1951 this class of ore yielded 391,400 ounces of gold—21,690 ounces (5 percent) less than in 1950. Zinc-lead ore supplied 33,489 ounces of the State's gold in 1951, a decrease of 3,835 ounces (10 percent) from 1950. More than 94 percent of the gold recovered from zinc-lead ore came the Park City region and West Mountain (Bingham) district.

Of the total gold in 1951, 91 percent came from copper ore, 8 from zinc-lead ore, and most of the remainder from silver ore, gold-silver ore, and lead ore. The West Mountain (Bingham) district supplied 94 percent of the total gold, the Park City region 4, and the Tintic district 1 percent. Output of gold in the West Mountain (Bingham) district declined 5 percent from 1950, and in the Park City region 23 percent, but in the Tintic district it increased 52 percent. Concentrates smelted yielded 424,704 ounces of the total gold, crude ore smelted 6,068 ounces, and old tailings and smelter cleanings smelted 1,444 ounces.

The leading gold producers in Utah in 1951—each with an output of more than 1,000 ounces of recoverable metal—were as follows: Utah Copper mine and United States & Lark group in the West Mountain (Bingham) district; the property of the New Park Mining Co. in the Park City region; Chief Consolidated No. 1 mine in the Tintic district; and Park Utah Consolidated and Silver King Coalition properties in the Park City region. These six properties furnished 99 percent of the State gold.

The total production of gold in Utah, in terms of recoverable metal, from 1864 through 1951 has been 12,636,887 ounces valued at \$342,516,085.

The mine output of silver in Utah in 1951 was 7,310,665 fine ounces valued at \$6,616,521—an increase of 3 percent in quantity and value from 7,083,808 ounces valued at \$6,411,204 in 1950. A substantial increase in output of silver from zinc-lead ore in 1951 more than offset the loss in output from copper ore. Even though the State's silver output was more in 1951 than in 1950, it was 7 percent less than

the yearly average from 1941 to 1950. In 1951, output of silver increased 19 percent in the Park City region and 2 percent in the Tintic district, but declined 1 percent in the West Mountain (Bingham) district.

Copper ore supplied 3,181,269 ounces (44 percent) of the State's total silver—131,680 ounces (4 percent) less than in 1950—and zinc-lead ore 3,100,509 ounces (42 percent)—250,835 ounces (9 percent) more than in 1950. Siliceous gold and silver ores yielded 573,917 ounces of silver; lead ore, 233,428 ounces; and zinc ore and lead-copper ore, 523 ounces. Old tailings and smelter cleanings supplied 221,019 ounces of silver. More than 99 percent of the silver recovered from copper ore came from the West Mountain (Bingham) district and 92 percent of the silver recovered from zinc-lead ore came from the Park City region, Tintic district, and West Mountain (Bingham) district. Concentrates smelted yielded 6,253,396 ounces of the total silver, crude ore smelted 837,589 ounces, and old tailings and smelter cleanings smelted 219,680 ounces.

Utah properties that produced more than 170,000 ounces of recoverable silver each in 1951 were as follows: Utah Copper mine, United States & Lark group, Chief Consolidated No. 1 mine, and the New Park, Silver King Coalition, Park Utah Consolidated, Butterfield, and Calumet properties. These eight producers contributed 90 percent of the State silver.

The total production of silver in Utah, in terms of recoverable metal, from 1864 through 1951 has been 756,117,233 ounces valued at \$557,522,201.

WASHINGTON

The mine output of gold in Washington in 1951 yielded 67,405 fine ounces valued at \$2,359,175, according to Philip B. Dettmer of the Bureau of Mines, United States Department of the Interior. Lode output was 67,392 fine ounces and came from nine properties; placer output was 13 fine ounces from one property. The decrease of 24,712 ounces in the State output of gold in 1951 compared with 1950, brought production of the metal in Washington to the lowest figure since 1947. This sharp drop resulted mainly from declines in output from the following major producers, listed in order of output: Lovitt Mining Co., Gold King mine, Wenatchee River district, Chelan County; Howe Sound Co., Holden mine, Chelan Lake district, Chelan County; Knob Hill Mines, Inc., Knob Hill mine, Ferry district, Republic County. These three properties produced nearly 98 percent of the State total gold in 1951. Placer mining was virtually nonexistent with only one operation reported active during the early part of the year. Over 68 percent of the State gold was recovered from gold ore, and most of the remainder from zinc-copper ore.

Total production of gold in Washington, in terms of recoverable metal, from 1860 through 1951 has been 2,515,226 fine ounces valued at \$66,788,233.

The mine output of silver in Washington in 1951 yielded 334,948 fine ounces valued at \$303,145, a decrease of nearly 8 percent in quantity from the 363,656 ounces in 1950. The Knob Hill mine (gold ore) continued to be the leading silver producer in the State in 1951, followed by the Holden mine (zinc-copper ore). Other important silver producers in Washington in 1951, in order of decreasing output, were the Gold King mine (gold ore); the Anaconda Copper Mining Co., Bonanza mine (lead ore), Bossburg district, Stevens County; and the Pend Oreille Mines & Metals Co., Pend Oreille mine (zinc-lead ore), Metaline district, Pend Oreille County. These five mines contributed nearly 90 percent of the State total silver. About 52 percent of the total was obtained from gold ore, nearly 24 percent from zinc-copper ore, 13 percent from lead ore, 10 percent from zinc-lead ore, and the balance from copper and zinc ores.

The total production of silver in Washington, in terms of recoverable metal, from 1860 through 1951 has been 14,555,897 fine ounces valued at \$10,368,492.

WYOMING

Production of gold in Wyoming in 1951 was 9 fine ounces valued at \$315 and that of silver 2 fine ounces valued at \$2, all produced in Fremont County, according to A. J. Martin of the United States Department of the Interior, Bureau of Mines. No gold or silver was produced in the State in 1950.

In 1951 the White Horse Mining Co. shipped 10 tons of ore from the Diana group of gold mines in the Atlantic City (or South Pass) district. In the past, lode and placer mines in this district have produced most of the State output of gold. From 1938 through 1951 the only substantial production of gold was 1,486 ounces in 1947, nearly all of which came from the Carissa mine in the South Pass district.

The total production of gold and silver in Wyoming, in terms of recovered metals from 1867 through 1951 has been 80,040 fine ounces of gold valued at \$1,909,728, and 74,821 fine ounces of silver valued at \$51,914.

Distribution of gold and silver production of the United States, in fine ounces, for 1951, by sources of production

[Table furnished by the Bureau of Mines]

State	Gold			Silver		
	Lode mines	Placer mines		Dry and siliceous ores ¹	Lead ores ²	Copper ores
		Floating bucket-line dredges	All other			
Alaska.....	1, 110	187, 216	51, 311	31, 087	1, 783	-----
Arizona.....	115, 937	-----	156	253, 132	1, 779, 115	3, 088, 738
California.....	152, 108	175, 870	11, 754	117, 655	1, 016, 947	10, 617
Colorado.....	102, 910	³ 12, 174	1, 419	876, 515	1, 901, 775	9, 592
Idaho.....	33, 214	10, 665	1, 185	9, 975, 886	4, 696, 765	80, 372
Missouri.....	-----	-----	-----	-----	184, 424	-----
Montana.....	29, 428	-----	1, 074	207, 174	4, 632, 870	1, 553, 724
Nevada.....	90, 527	⁴ 30, 467	42	189, 185	624, 242	168, 242
New Mexico.....	3, 955	-----	4	11, 226	318, 532	113, 509
Oregon.....	763	6, 775	389	5, 268	918	32
South Dakota.....	458, 095	-----	6	139, 121	469	-----
Texas.....	32	-----	-----	-----	1, 381	-----
Utah.....	432, 216	-----	-----	771, 117	3, 358, 279	3, 181, 269
Washington.....	67, 392	-----	13	173, 529	159, 054	2, 365
Wyoming.....	4	-----	5	2	-----	-----
States east of the Mississippi.....	⁵ 2, 447	-----	-----	-----	51, 033	⁵ 79, 835
Total.....	1, 490, 138	423, 167	67, 358	12, 750, 897	18, 727, 587	8, 288, 295

¹ Includes small quantity of silver from placer mines (66,370 fine ounces).

² Includes silver in lead, lead-copper, zinc, zinc-lead, zinc-copper, and zinc-lead-copper ores.

³ Production by dragline dredges included with that by bucket-line dredges; Bureau of Mines not at liberty to publish separately.

⁴ Production by nonfloating washing plants included with that by bucket-line dredge; Bureau of Mines not at liberty to publish separately.

⁵ Includes magnetite-pyrite-chaleopyrite ore.

ADDENDA TO REPORT OF THE DIRECTOR OF
THE MINT

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Bases Used for Mint Service Statistics

Gold and silver, as well as minor coinage metals, are accounted for by quantity as well as by value. Most of the published mint service statistics pertaining to such metals are on a primary quantity basis rather than a primary value basis because, in some degree, the value factor antedates the quantity factor, as when advance partial payments are made on large deposits of bullion or foreign coin pending determination by melt, assay, and computation, of the exact quantities and values of the materials deposited. The *quantity basis* comprises received bullion, the quantity and value whereof have been finally determined, whether or not paid for; also melted coin that has been reviewed and classified after having been received as withdrawn from monetary use. The *value basis* comprises received bullion, the quantity and value whereof have been finally determined, whether or not paid for; also received bullion to the value of advance payments thereon prior to making final determinations; and received but unreviewed coin that has been withdrawn from monetary use. To effect reconciliation between the quantity basis and value basis, from period to period, would require consideration also of prior period advances.

The tabulations of "Deposits and purchases" include received metal for which payment is made in bars bearing the Government stamp, as well as that paid for by check or in cash. In these tabulations, prior to the fiscal year 1940, the receipt classification item of "Domestic refinery bullion" included that refined from new production of both domestic and foreign mines, also old or secondary source metals, with inconsiderable amounts from small refineries that worked only old materials. Beginning with the fiscal year 1940 segregation of these items has been made in the tabulations.

Stock of domestic coin.—Consists of an estimate made in 1873 of gold and silver coin, the former of which was revised in 1907, with annual addition of new coinage and reported imports, and deduction of withdrawn coin, reported exports, and an estimate for industrial use and general disappearance; from 1928 to 1933 the additional factor of gold coin "earmarked," or set aside for foreign owners, was considered, such transactions being equivalent to exports and releases thereof being equivalent to imports. After 1933 gold coin has been omitted as such; any unmelted gold coin on hand is treated as bullion. In 1928 minor coin was added, considering only coins of the type commonly in circulation, the amounts coined, those withdrawn for recoinage, and general disappearance. The monetary stock tables for a series of years have been revised back to the establishing of the Federal Reserve System (1914) to include minor coin back to 1900. The item of coin withdrawn as used in the stock compilation omits the coin received for recoinage but not yet reviewed, which coin is subject to classification adjustments.

Domestic coin made.—These data cover the coin delivered from the manufacturing department to the issuing (cash) division, and include the new coin made from withdrawn old coin, as well as all other newly made coin. It is now required that all coins be delivered to the cash division during the year impressed on such coins; during the earlier years this was not always done.

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No. 1.—*Number of gold and silver deposit transactions and assay determinations during the the fiscal year 1952*

Item	Phila- delphia	San Fran- cisco	Den ver	New York	Seattle	Total
Deposit transactions:						
Purchases.....	1, 694	2, 780	1, 031	2, 983	706	9, 194
Transfers.....	94					94
Intermint transfers.....		14		2	1	17
Trust deposits.....	3					3
Total.....	1, 791	2, 794	1, 031	2, 985	707	9, 308
Deposit assay determinations:						
Purchases.....	2, 839	3, 651	2, 981	4, 256	911	14, 638
Transfers.....	1, 688					1, 688
Intermint transfers.....		423		120	1	544
Trust deposits.....	459					459
Total.....	4, 986	4, 074	2, 981	4, 376	912	17, 329

No. 2.—*Number of gold and silver deposit transactions and assay determinations during the calendar year 1951*

Item	Phila- delphia	San Fran- cisco	Den ver	New York	Seattle	Total
Deposit transactions:						
Purchases.....	1, 666	2, 962	986	2, 950	720	9, 284
Transfers.....	100					100
Intermint transfers.....	1	22	1	2	1	27
Trust deposits.....	2					2
Total.....	1, 769	2, 984	987	2, 952	721	9, 413
Deposit assay determinations:						
Purchases.....	2, 809	3, 359	2, 014	3, 422	929	12, 533
Transfers.....	1, 712					1, 712
Intermint transfers.....		1, 017		153		1, 170
Trust deposits.....	42					42
Total.....	4, 563	4, 376	2, 014	3, 575	929	15, 457

No. 3.—*Deposits and purchases of gold during the fiscal year 1952*
[On quantity basis, see Bases Used for Mint Service Statistics]

Source and description	Quantity in fine ounces					
	All institutions	Philadelphia	San Francisco	Denver	New York	Seattle
PRIMARY RECEIPTS						
Domestic:						
Newly mined—mine source:		2. 630	4, 731. 533	64. 283		202, 484. 403
Alaska.....	207, 282. 849		155. 393			. 374
Arizona.....	277, 919. 914		277, 919. 540			
California.....	57, 548. 263		1. 512	57, 546. 751		
Colorado.....	12, 452. 517		6, 724. 233	37. 268		5, 691. 016
Idaho.....	1, 459. 574			791. 668		667. 906
Montana.....	45, 950. 451		18, 901. 360	13, 455. 347		13, 593. 744
Nevada.....	194. 440		141. 623	52. 817		
New Mexico.....	5, 197. 068		257. 666			4, 939. 402
Oregon.....	15, 708. 730		62. 279	15, 708. 730		
South Dakota.....	62. 279					
Utah.....	38. 097					38. 097
Washington.....	38. 956	3. 388		35. 568		
Unallocated.....						
Total newly mined unrefined.....	624, 008. 531	6. 018	308, 895. 139	87, 692. 432		227, 414. 942
Newly mined—domestic refinery product:						
Refinery bullion (less than 0. 995 fine).....	18. 289			1. 398		16. 891
Refined bars (0. 995 fine and over).....	642, 647. 296		27, 116. 352	542, 473. 776	73, 057. 168	
Total newly mined refined.....	642, 665. 585		27, 116. 352	542, 475. 174	73, 057. 168	16. 891
Total newly mined domestic.....	1, 266, 674. 116	6. 018	336, 011. 491	630, 167. 606	73, 057. 168	227, 431. 833
Other domestic:						
Secondary.....	169, 715. 797	50, 763. 800	14, 185. 451	38, 208. 175	64, 063. 285	2, 495. 086
Domestic coin:	742. 990	6. 485	1. 917	. 901	733. 291	. 396
Purchased.....	2, 706. 950	2, 131. 477	575. 473			
Transferred from Treasury and Federal Reserve banks.....						
Total other domestic.....	173, 165. 737	52, 901. 762	14, 762. 841	38, 209. 076	64, 796. 576	2, 495. 482
Total domestic.....	1, 439, 839. 853	52, 907. 780	350, 774. 332	608, 376. 682	137, 853. 744	229, 927. 315

[illegible]

No. 4.—Deposits and purchases of silver during the fiscal year 1952

[On quantity basis, see Bases Used for Mint Service Statistics]

Source and description	All institutions	Philadelphia	San Francisco	Denver	New York	Seattle
PRIMARY RECEIPTS						
Domestic:						
Newly mined—mnc source:						
Alaska.....	26, 730.39	0. 21	813. 34	10. 25		25, 906. 59
Arizona.....	36. 93		36. 93			. 08
California.....	65, 714. 04		65, 713. 96			
Colorado.....	14, 920. 38		. 40	14, 919. 98		
Idaho.....	1, 622, 576. 40		1, 619, 409. 62	17. 97		3, 148. 81
Montana.....	131. 88			102. 57		29. 31
Nevada.....	46, 381. 29		36, 838. 64	7, 795. 74		1, 746. 91
New Mexico.....	36. 31		23. 70	12. 61		
Oregon.....	1, 123. 77		35. 55			1, 088. 22
South Dakota.....	41, 213. 15		2. 71	41, 213. 15		
Utah.....	2. 71					12. 09
Washington.....	12. 09	. 36		7. 97		
Unallocated.....	8. 33					
Total newly mined unrefined.....	1, 818, 887. 67	. 57	1, 722, 874. 85	64, 080. 24		31, 932. 01
Newly mined—domestic refinery product:						
Refinery bullion (less than 0.996 fine).....	1, 007, 111. 42			94, 558. 44	912, 549. 14	3. 84
Refined bars (0.996 fine and over).....	35, 974, 637. 33	10, 672, 823. 35	23, 843, 444. 33	1, 458, 369. 65		
Total newly mined refined.....	36, 981, 748. 75	10, 672, 823. 35	23, 843, 444. 33	1, 552, 928. 09	912, 549. 14	3. 84
Total newly mined.....	38, 800, 636. 42	10, 672, 823. 92	25, 566, 319. 18	1, 617, 008. 33	912, 549. 14	31, 935. 85
Other domestic:						
Secondary.....	355, 189. 38	22, 810. 26	119, 858. 49	10, 963. 71	200, 693. 90	863. 02
Domestic coin:						
Purchased.....	6, 788. 25	3, 648. 14	1, 294. 41	1, 664. 28	181. 42	
Transferred from Treasury and Federal Reserve banks.....	1, 224, 549. 43	937, 232. 30	182, 644. 67	104, 672. 46		
Uncurrent silver dollars melted.....	259, 229. 76	179, 294. 35	48, 661. 94	31, 273. 47		
Total other domestic.....	1, 845, 756. 82	1, 142, 985. 05	352, 459. 51	148, 573. 92	200, 875. 32	863. 02
Total domestic.....	40, 646, 393. 24	11, 815, 804. 97	25, 918, 778. 69	1, 765, 582. 25	1, 113, 424. 46	32, 798. 87

Imports:				
Bullion unrefined	42,744.94	42,047.67	2.51	694.76
Secondary	31,338.09	43.03		31,295.06
Foreign coin	4,362.42			4,362.42
Total imports	78,445.45	42,047.67	2.51	36,352.24
Recoveries:				
Grains Receiving Division	279.68	70.37	134.63	28.20
Operative recoveries	12,385.57	2,074.67	7,038.46	2,627.03
Total recoveries	12,665.25	2,119.11	7,173.09	2,655.23
Total primary receipts	40,737,503.94	11,817,971.11	1,772,757.85	1,152,431.93
REDEPOSITS				
From RFC silver custody account	36,639,574.21	13,413,777.19	23,225,797.02	
Total acquisitions	77,377,078.15	25,231,748.30	24,998,554.87	1,152,431.93
INTERMINT TRANSFERS				
Unrefined bars	275,353.80	33,302.69		242,051.11
Proof bullion	1,598.50	50.00		1,548.50
Assay coin	2,568.56	2,568.56		
Total intermint transfers	279,520.86	33,352.69		243,599.61
DEPOSITED IN TRUST				
Cuban pesos for Cuban coinage	3,620,943.63	3,620,943.63		
Grand total fine ounces	81,277,542.64	28,855,260.49	24,998,554.87	1,396,031.54
Cost of primary receipts	\$37,551,082.78	\$11,211,727.58	\$1,675,779.05	\$1,035,488.32
				\$29,482.36

No. 5.—*Deposits and purchases of gold during the calendar year 1951*

[On quantity basis, see Bases Used for Mint Service Statistics]

Source and description	Quantity in fine ounces				
	All institutions	Philadelphia	San Francisco	Denver	New York
					Seattle
PRIMARY RECEIPTS					
Domestic:					
Newly mined—mine source:					
Alaska.....	206, 673. 226	2. 630	3, 122. 634	12. 086	203, 535. 876
Arizona.....	331, 218. 547	1. 163	447. 212	1. 601	3. 643
California.....	50, 337. 677	—	331, 214. 904	50, 336. 165	—
Colorado.....	14, 222. 530	—	6, 443. 389	61. 893	7, 717. 248
Idaho.....	1, 908. 119	—	1. 881	1, 258. 727	647. 511
Montana.....	53, 291. 277	—	22, 647. 796	18, 331. 652	12, 311. 829
Nevada.....	357. 787	—	320. 738	37. 049	—
New Mexico.....	7, 508. 038	—	338. 193	—	7, 169. 845
Oregon.....	16, 531. 190	—	62. 279	16, 531. 190	—
South Dakota.....	21. 390	—	—	—	21. 390
Utah.....	17. 445	—	—	17. 445	—
Washington.....	12. 360	11. 116	—	1. 244	—
Wyoming.....	—	—	—	—	—
Unallocated.....	—	—	—	—	—
Total newly mined unrefined.....	682, 611. 841	14. 909	364, 600. 538	86, 589. 052	231, 407. 342
Newly mined—domestic refinery product:					
Refinery bullion (less than 0.995 fine).....	51. 620	—	—	1. 398	20. 346
Refined bars (0.995 fine and over).....	607, 133. 763	—	29, 888. 285	489, 487. 905	87, 757. 573
Total newly mined refined.....	607, 185. 383	—	29, 888. 285	489, 489. 303	87, 777. 919
Total newly mined domestic.....	1, 289, 797. 224	14. 909	394, 488. 823	576, 078. 355	87, 777. 919
Other domestic:					
Secondary.....	170, 710. 461	49, 028. 785	13, 799. 463	39, 006. 185	66, 174. 209
Domestic coin:	11. 348	5. 637	1. 892	. 399	3. 024
Purchased.....	5, 571. 480	4, 605. 396	852. 219	113. 865	—
Transferred from Treasury and Federal Reserve banks.....	—	—	—	—	—
Total other domestic.....	176, 293. 289	53, 639. 818	14, 653. 574	39, 120. 449	66, 177. 233
Total domestic.....	1, 466, 090. 513	53, 654. 727	409, 142. 397	615, 198. 804	153, 955. 152
					234, 139. 433

	898,300.188		122,757.750		775,542.438 1,355,411.866	
Bullion unrefined.....						
Bullion refined.....	1,355,411.866		248,939		5,667	
Secondary.....	298,350		43,744		1,282	
Foreign coin.....	28,194		20,556		4,495	
Total imports.....	<u>2,254,038.598</u>		<u>64,300</u>		<u>2,130,964.466</u>	
						.271
Recoveries:						
Grains Receiving Division.....	158,874		49,467		20,306	
Operative recoveries.....	<u>1,449,493</u>				<u>106,936</u>	
Total recoveries.....	<u>1,608,367</u>		<u>49,467</u>		<u>1,336,208</u>	
Total primary receipts.....	<u>3,721,737.478</u>		<u>53,768.494</u>		<u>615,327.328</u>	
REDEPOSITS						
By Treasury and Federal Reserve banks.						
Total acquisitions.....	<u>26,428,571.342</u>		<u>532,215.473</u>		<u>2,286,255.826</u>	
Total acquisitions.....	<u>30,150,308.820</u>		<u>53,768.494</u>		<u>615,327.328</u>	
INTERMINT TRANSFERS						
Unrefined bars.....	543,115.244		90,059.914		55,941.321	
Proof bullion.....	<u>120,000</u>		<u>50,000</u>		<u>50,000</u>	
Total intermint transfers.....	<u>543,235.244</u>		<u>90,059.914</u>		<u>55,941.321</u>	
Grand total fine ounces.....	<u>30,693,544.064</u>		<u>143,828.408</u>		<u>28,770,768.489</u>	
						234,190.357
Purchases at \$20.67 per ounce.....	\$1,533.22		\$437.61		\$275.16	
Increment to \$35 per ounce.....	1,062.91		303.51		190.75	
Purchases at \$35 per ounce.....	<u>1,055,063,144.51</u>		<u>1,719,967.32</u>		<u>18,597,181.76</u>	
Domestic coin transferred (melted).....	195,068.02		161,188.85		29,893.89	
Value of acquisitions at \$35 per ounce.....	<u>1,055,260,808.66</u>		<u>1,881,897.29</u>		<u>21,536,456.57</u>	
						8,195,962.50

No. 6.—*Deposits and purchases of silver during the calendar year 1951*

[On quantity basis, see Bases Used for Mint Service Statistics]

Source and description	Quantity in fine ounces					
	All Institutions	Philadelphia	San Francisco	Denver	New York	Seattle
PRIMARY RECEIPTS						
Domestic:						
Newly mined—mine source:						
Alaska.....	26,424.06	0.21	590.98	1.70		25,831.17
Arizona.....	135.72	.13	135.48	.11		.26
California.....	71,588.32		71,588.06			
Colorado.....	14,209.26		40	14,208.86		
Idaho.....	1,052,995.51		1,049,029.57	26.99		3,938.95
Montana.....	217.08		.12	164.32		52.64
Nevada.....	150,224.75		138,051.65	10,580.52		1,592.58
New Mexico.....	62.85		54.92	7.93		
Oregon.....	1,861.86		48.96			1,812.90
South Dakota.....	40,778.49			40,778.49		
Utah.....	2.71		2.71			
Washington.....	4.93					4.93
Wyoming.....	5.59			5.59		
Unallocated.....	1.34	1.02		.32		
Total newly mined unrefined.....	1,358,512.47	1.36	1,259,502.85	65,774.83		33,233.43
Newly mined—domestic refinery product:						
Refinery bullion (less than 0.996 fine).....	1,090,192.58	71,215.31		106,407.23	912,549.14	20.90
Refined bars (0.996 fine and over).....	33,705,882.39	10,119,193.21	23,006,192.95	580,496.23		
Total newly mined refined.....	34,796,074.97	10,190,408.52	23,066,192.95	686,903.46	912,549.14	20.90
Total newly mined domestic.....	✓ 36,154,587.44	10,190,409.88	24,265,695.80	752,678.29	912,549.14	33,254.33
Other domestic:						
Secondary.....						
Domestic coin:						
Purchased.....	347,656.50	23,972.11	121,714.48	11,710.21	189,306.49	953.21
Transferred from Treasury and Federal Reserve banks.....	7,177.27	4,437.01	518.09	1,993.04	229.13	
Uncurrent silver dollars melted.....	1,288,883.91	897,993.09	222,056.24	168,834.58		
	256,841.34	132,540.55	62,459.34	61,841.45		
Total other domestic.....	1,900,559.02	1,058,942.76	406,748.15	244,379.28	189,535.62	953.21
Total domestic.....	38,055,146.46	11,249,352.64	24,672,443.95	997,057.57	1,102,084.76	34,207.54

Imports:									
Bullion unrefined	51,791.67		51,108.70		682.97				
Secondary	31,304.38	9.32			31,295.06				
Total imports	83,096.05	9.32	51,108.70		31,978.03				
Recoveries:									
Grains Receiving Division	122.72	44.66	55.73	15.20	4.68			2.45	
Operative recoveries	9,090.80	1,797.52	230.06	7,038.46	20.63			4.13	
Total recoveries	9,213.52	1,842.18	285.79	7,053.66	25.31			6.58	
Total primary receipts	38,147,456.03	11,251,204.14	24,723,838.44	1,004,111.23	1,134,088.10			34,214.12	
REDEPOSITS									
From RFC silver custody account	43,869,140.42	15,138,787.18			28,730,353.24				
Total acquisitions	82,016,596.45	26,389,991.32	24,723,838.44	1,004,111.23	29,864,441.34			34,214.12	
INTERMINT TRANSFERS									
Unrefined bars	220,060.21		57,554.10		162,506.11				
Assay coin	855.50	855.50							
Total intermint transfers	220,915.71	855.50	57,554.10		162,506.11				
DEPOSITED IN TRUST									
Imported bullion	199,131.65	199,131.65							
Bullion from domestic refineries	181,035.23	181,035.23							
Total deposited in trust	380,166.88	380,166.88							
Grand total fine ounces	82,617,679.04	26,771,013.70	24,781,392.54	1,004,111.23	30,026,947.45			34,214.12	
Cost of primary receipts	\$35,256,073.11	\$10,670,136.66	\$22,503,918.18	\$1,029,906.70	\$1,021,309.80			\$30,801.77	

No. 7.—*Deposits of foreign gold bullion and coin during the fiscal year 1952*

[On quantity basis, see Bases Used for Mint Service Statistics]

Country from which exported	Bullion			Coin	Total	Total value
	Unrefined	Refined	Secondary			
	Fine ounces					
Austria.....		11. 217			11. 217	\$392. 60
Belgium.....		150, 425. 424			150, 425. 424	5, 264, 889. 84
British Guiana.....	9, 396. 015				9, 396. 015	328, 860. 52
Canada.....	11. 731	6, 342, 853. 920			6, 342, 865. 651	222, 000, 297. 79
Chile.....		9, 211. 026			9, 211. 026	322, 385. 91
China.....	6. 374				6. 374	223. 09
Colombia.....	100, 098. 847				100, 098. 847	3, 503, 459. 64
Costa Rica.....			13. 127		13. 127	459. 45
England.....	409. 363	327. 575	2. 077	1. 151	740. 166	25, 905. 81
Fiji.....	31, 150. 464				31, 150. 464	1, 090, 266. 24
France.....	320, 976. 897			. 045	320, 976. 942	11, 234, 192. 97
French Guiana.....	12. 161				12. 161	425. 63
Germany.....	1, 828. 326	15, 120. 961	34. 207	. 162	16, 983. 656	594, 427. 96
Honduras.....	32. 537		91. 305		123. 842	4, 334. 47
Liberia.....	2, 757. 482				2, 757. 482	96, 511. 87
Mexico.....	375. 811				375. 811	13, 153. 39
Philippines.....	50, 292. 532				50, 292. 532	1, 760, 238. 62
Russia.....				. 117	. 117	4. 09
Spain.....	115, 330. 674	60, 252. 536			175, 583. 210	6, 145, 412. 35
Union of South Africa.....		1, 736, 387. 950			1, 736, 387. 950	60, 773, 578. 25
Bank for International Set- tlements.....		65, 002. 752			65, 002. 752	2, 275, 096. 32
Unallocated.....			241. 776	250. 219	491. 995	17, 219. 82
Total.....	632, 679. 214	8, 379, 593. 361	382. 492	251. 694	9, 012, 906. 761	315, 451, 736. 63

No. 8.—*Deposits of foreign silver bullion and coin during the fiscal year 1952*

[On quantity basis, see Bases Used for Mint Service Statistics]

Country from which exported	Total fine ounces ¹	Country from which exported	Total fine ounces ¹
Australia.....	2, 040. 05	Honduras.....	37. 40
British Guiana.....	511. 43	Liberia.....	57. 23
China.....	. 07	Mexico.....	2. 51
Costa Rica.....	4. 87	Philippines.....	33, 933. 39
England.....	. 32	Unallocated.....	2, 322. 37
Fiji.....	8, 114. 21		
French Guiana.....	. 94	Total.....	78, 445. 45
Germany.....	31, 420. 66		

¹ Includes 42,744.94 ounces unrefined bullion; 31,338.09 ounces secondary; and 4,362.42 ounces coin. In addition, 3,620,944 fine ounces of silver contained in Cuban pesos held in trust for account of Cuba.

No. 9.—*Deposits of foreign gold bullion and coin during the calendar year 1951*

[On quantity basis, see Bases Used for Mint Service Statistics]

Country from which exported	Bullion			Coin	Total	Total value
	Unrefined	Refined	Second- ary			
	Fine ounces					
Argentina.....				0. 234	0. 234	\$8. 19
Belgium.....		28, 731. 763			28, 731. 763	1, 005, 611. 70
British Guiana.....	8, 715. 789				8, 715. 789	305, 052. 62
Canada.....		1, 277. 942			1, 277. 942	44, 727. 97
Chile.....		14, 031. 241			14, 031. 241	491, 093. 43
China.....	34. 097				34. 097	1, 193. 40
Colombia.....	300, 095. 188				300, 095. 188	10, 503, 331. 58
Costa Rica.....			13. 127		13. 127	459. 44
Dominican Republic.....	335. 693				335. 693	11, 749. 26
England.....	409. 363	161. 499	2. 077	3. 600	576. 539	20, 178. 87
France.....	320, 976. 897			. 720	320, 977. 617	11, 234, 216. 60
Fiji.....	73, 295. 710				73, 295. 710	2, 565, 349. 85
Germany.....			34. 207	. 288	34. 495	1, 207. 32
Japan.....		4, 815. 541			4, 815. 541	168, 543. 94
Latvia.....	14, 052. 491	7, 242. 422			21, 294. 913	745, 321. 95
Liberia.....	2, 757. 482				2, 757. 482	96, 511. 87
Lithuania.....	12, 868. 861				12, 868. 861	450, 410. 14
Mexico.....				. 781	. 781	27. 33
Netherlands.....				. 117	. 117	4. 10
Peru.....				. 119	. 119	4. 16
Philippines.....	49, 427. 943				49, 427. 943	1, 729, 978. 00
Russia.....				. 499	. 499	17. 47
Spain.....	115, 330. 674	60, 252. 536			175, 583. 210	6, 145, 412. 35
Switzerland.....				. 180	. 180	6. 30
Union of South Africa.....		1, 238, 898. 922			1, 238, 898. 922	43, 361, 462. 27
Unallocated.....			248. 939	21. 656	270. 595	9, 470. 82
Total.....	898, 300. 188	1, 355, 411. 866	298. 350	28. 194	2, 254, 038. 598	78, 891, 350. 93

No. 10.—*Deposits of foreign silver bullion and coin during the calendar year 1951*

[On quantity basis, see Bases Used for Mint Service Statistics]

Country from which exported	Total fine ounces ¹	Country from which exported	Total fine ounces ¹
British Guiana.....	549.25	Germany.....	31,299.19
China.....	.51	Liberia.....	57.23
Costa Rica.....	4.87	Lithuania.....	.95
Dominican Republic.....	75.54	Philippines.....	32,570.26
England.....	.32		
Fiji.....	18,537.93	Total.....	83,096.05

¹ Includes 51,791.67 fine ounces unrefined and 31,304.38 fine ounces secondary bullion. In addition, coin containing 199,131.65 fine ounces of silver was imported from Cuba and deposited for account of the Government of Honduras.

No. 11.—*Domestic coins, including assay pieces, withdrawn from monetary use during the fiscal year 1952*

[On quantity basis, see Bases Used for Mint Service Statistics]

Denomination	Transferred from Treasury and Federal Reserve banks	Purchased	Total
Gold:			
Double eagles.....	\$33,620.00	\$9,640.00	\$43,260.00
Eagles.....	12,760.00	2,880.00	15,640.00
Half eagles.....	8,375.00	3,120.00	11,495.00
Quarter eagles.....	1,332.50	785.00	2,117.50
\$3 pieces.....	6.00	6.00	12.00
\$1 pieces.....	55.00	14.00	69.00
Total gold.....	56,148.50	16,445.00	72,593.50
Silver:			
Trade dollars.....		2.00	2.00
Standard dollars.....	349,674.00	1,968.00	351,642.00
Half dollars.....	601,654.00	2,712.00	604,366.00
Quarter dollars.....	741,189.50	2,374.00	743,563.50
20-cent pieces.....			
Dimes.....	460,040.10	2,883.30	462,923.40
Half dimes.....	12.45	.15	12.60
3-cent pieces.....	7.38	.03	7.41
Total silver.....	2,152,577.43	9,939.48	2,162,516.91
Nickel:			
5-cent pieces.....	158,952.20	291.15	159,243.35
3-cent pieces.....	2.40		2.40
1-cent pieces.....	4.04		4.04
Total nickel.....	158,958.64	291.15	159,249.79
Copper:			
1-cent pieces.....	3.10		3.10
½-cent pieces.....	.01		.01
Total copper.....	3.11		3.11
Bronze and copper-zinc:			
2-cent pieces.....	2.22		2.22
1-cent pieces.....	68,948.18	927.85	69,876.03
Total bronze and copper-zinc.....	68,950.40	927.85	69,878.25
Copper-silver-manganese 5-cent pieces.....	32,906.70	87.40	32,994.10
Zinc-coated steel 1-cent pieces.....	142,694.36	36.12	142,730.48
Total minor.....	403,513.21	1,342.52	404,855.73
Grand total.....	2,612,239.14	27,727.00	2,639,966.14

SUMMARY

Metal obtained from melting the above:	Weights
Gold..... fine ounces.....	3,449.940
Silver:	
Uncurrent silver dollars..... do.....	249,229.76
All other silver coin..... do.....	1,233,906.24
Cupro-nickel..... gross ounces.....	495,314.28
Bronze, copper, and copper-zinc..... do.....	685,593.01
Copper-silver-manganese alloy (not recoined)..... do.....	88,993.83
Zinc-coated steel (not recoined)..... do.....	1,258,415.14
Monetary value of metal obtained:	Value
Gold (at \$35 per fine ounce).....	\$120,747.90
Silver (at \$1.38+ per fine ounce):	
Uncurrent silver dollars.....	351,208.93
All other silver coin.....	1,705,757.70
Cupro-nickel.....	154,063.54
Bronze, copper, and copper-zinc.....	68,559.30
Gain by recoinage: Uncurrent silver dollars (net).....	9,409.42
Total.....	2,409,746.79
Loss by recoinage:	
Silver (except uncurrent silver dollars).....	106,664.73
Cupro-nickel.....	5,164.65
Bronze, copper, and copper-zinc.....	1,180.21
Total.....	113,009.59

No. 12.—*Domestic coins, including assay pieces, withdrawn from monetary use during the calendar year 1951*

[On quantity basis, see Bases Used for Mint Service Statistics]

Denomination	Transferred from Treasury and Federal Reserve banks	Purchased	Total
Gold:			
Double eagles.....	\$72,320.00	\$100.00	\$72,420.00
Eagles.....	27,380.00	60.00	27,440.00
Half eagles.....	14,105.00	45.00	14,150.00
Quarter eagles.....	1,805.00	27.50	1,832.50
\$3 pieces.....	9.00	9.00	18.00
\$1 pieces.....	16.00	20.00	36.00
Total gold.....	115,635.00	261.50	115,896.50
Silver:			
Trade dollars.....		2.00	2.00
Standard dollars.....	343,682.00	1,290.00	344,972.00
Half dollars.....	548,319.50	3,010.00	551,329.50
Quarter dollars.....	831,454.25	3,165.75	834,620.00
20-cent pieces.....	.20		.20
Dimes.....	528,518.60	3,485.30	532,003.90
Half dimes.....	18.05		18.05
3-cent pieces.....	9.42		9.42
Total silver.....	2,252,002.02	10,953.05	2,262,955.07
Nickel:			
5-cent pieces.....	194,866.35	365.35	195,231.70
3-cent pieces.....	3.51	.06	3.57
1-cent pieces.....	6.35		6.35
Total nickel.....	194,876.21	365.41	195,241.62
Copper:			
1-cent pieces.....	13.25		13.25
½-cent pieces.....	.02		.02
Total copper.....	13.27		13.27
Bronze and copper-zinc:			
2-cent pieces.....	2.02		2.02
1-cent pieces.....	115,341.08	1,311.45	116,652.53
Total bronze and copper-zinc.....	115,343.10	1,311.45	116,654.55
Copper-silver-manganese 5-cent pieces.....	45,912.75	190.70	46,103.45
Zinc-coated steel 1-cent pieces.....	185,522.57	139.83	185,662.40
Total minor.....	541,667.90	2,007.39	543,675.29
Grand total.....	2,909,304.92	13,221.94	2,922,526.86

SUMMARY

Metal obtained from melting the above:		Weights
Gold.....	fine ounces..	5,582.828
Silver:		
Uncurrent silver dollars.....	do.....	256,841.34
All other silver coin.....	do.....	1,296,916.68
Cupro-nickel.....	gross ounces..	607,415.68
Bronze, copper, and copper-zinc.....	do.....	1,146,714.87
Copper-silver-manganese alloy (not recoined).....	do.....	144,631.07
Zinc-coated steel (not recoined).....	do.....	1,535,318.71
Monetary value of metal obtained:		Value
Gold (at \$35 per fine ounce).....		\$195,398.98
Silver (at \$1.38+ per fine ounce):		
Uncurrent silver dollars.....		355,059.74
All other silver coin.....		1,792,869.09
Cupro-nickel.....		188,931.76
Bronze, copper, and copper-zinc.....		114,671.50
Gain by recoinage: Uncurrent silver dollars (net).....		12,922.78
Total.....		2,659,853.85
Loss by recoinage:		
Silver (except uncurrent silver dollars).....		130,285.68
Cupro-nickel.....		6,301.61
Bronze, copper, and copper-zinc.....		1,845.33
Total.....		138,432.62

No. 13.—*Standard silver dollars (uncurrent) melted for recoinage into subsidiary coin*¹

Fiscal year	Face amount	Fiscal year	Face amount
1943.....	\$8,080,739	1949.....	\$241,740
1944.....	44,658,194	1950.....	273,501
1945.....	393,881	1951.....	333,292
1946.....	96,455	1952.....	349,674
1947.....	66,655		
1948.....	361,789	Total.....	54,855,920

¹ The act of Dec. 18, 1942, authorized all worn and uncurrent standard silver dollars held, or thereafter received in the Treasury, to be formed into bars and used for coinage.

No. 14.—*Standard silver dollars (mutilated) purchased as bullion for use in the manufacture of subsidiary silver coin since 1883*

Fiscal year	Face amount	Fiscal year	Face amount
1883-1929 ¹	\$221,149	1942.....	\$562
1930.....	1,329	1943.....	244
1931.....	1,193	1944.....	682
1932.....	442	1945.....	436
1933.....	513	1946.....	617
1934.....	504	1947.....	1,934
1935.....	649	1948.....	451
1936.....	638	1949.....	926
1937.....	339	1950.....	1,122
1938.....	607	1951.....	1,147
1939.....	629	1952.....	1,968
1940.....	366		
1941.....	407	Total.....	238,854

¹ For separate fiscal year data prior to 1930, see p. 72 of the 1931 Report.

No. 15.—*Silver coin (including silver dollars) withdrawn from circulation for recoinage into subsidiary coin, since 1890*

Fiscal year	Face amount ¹	Face amount of new coin producible	Loss (net)	Fiscal year	Face amount ¹	Face amount of new coin producible	Loss (net)
1891-1929 ²	\$128,045,738	\$121,738,081	\$6,307,657	1942.....	\$2,767,828	\$2,532,102	\$235,726
1930.....	4,347,695	3,944,682	403,013	1943.....	10,619,576	10,588,190	31,386
1931.....	5,487,496	4,997,679	489,817	1944.....	46,363,450	47,393,898	+1,030,448
1932.....	7,482,437	6,825,156	657,281	1945.....	2,363,287	2,210,134	153,153
1933.....	8,467,446	7,715,023	752,423	1946.....	1,875,802	1,741,762	134,040
1934.....	7,563,736	6,948,272	615,464	1947.....	1,889,558	1,760,734	128,824
1935.....	8,828,214	8,074,032	754,182	1948.....	3,133,656	2,945,278	188,378
1936.....	7,200,195	6,587,520	612,675	1949.....	2,354,309	2,212,031	142,278
1937.....	6,026,887	5,526,508	500,379	1950.....	3,046,067	2,862,286	183,781
1938.....	5,514,687	5,038,320	476,367	1951.....	2,681,864	2,534,329	147,535
1939.....	4,861,773	4,434,279	427,494	1952.....	2,162,517	2,056,967	105,550
1940.....	4,530,970	4,140,548	390,422				
1941.....	4,122,939	3,774,669	348,270	Total.....	281,738,127	268,582,480	13,155,647

¹ Includes 11,111,168 standard silver dollars melted for subsidiary coin under act of Apr. 23, 1918; and 54,855,920 uncurrent standard silver dollars melted for recoinage into subsidiary coin under act of Dec. 18, 1942.

² For separate fiscal year data prior to 1930, see p. 72 of the 1931 Report.

No. 16.—*Sales of Treasury silver under act of July 31, 1946, during fiscal years 1947-52*¹

Fiscal year—	Number of fine ounces sold
1947.....	8,198
1948.....	1,728
1949.....	1,071
1950.....	
1951.....	1,628,065
1952.....	8,543
Total.....	1,647,605

¹ Sales made at 91 cents per fine ounce. For sales of Treasury silver prior to the fiscal year 1947, see pp. 73-79 of the 1946 Report.

No. 17.—*Estimated monetary stock of gold and silver in the United States and the amount per capita at the close of each fiscal year 1936-52*¹

Fiscal year	Gold bullion	Silver coin and bullion ²	Population	Per capita		
				Gold	Silver	Total
	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>			
1936	\$10,608,417	\$1,587,007	128,413	\$82.61	\$12.36	\$94.97
1937	12,318,271	1,741,175	129,337	95.24	13.46	108.70
1938	12,962,954	1,957,704	130,085	99.65	15.05	114.70
1939	16,110,079	2,157,476	131,173	122.82	16.44	139.26
1940	19,963,091	2,302,501	132,130	151.09	17.43	168.52
1941	22,624,197	2,430,234	133,212	169.84	18.24	188.08
1942	22,736,704	2,582,735	134,474	169.08	19.21	188.29
1943	22,387,522	2,718,711	136,527	163.98	19.91	183.89
1944	21,173,066	2,748,959	138,001	153.43	19.92	173.35
1945	20,212,973	2,840,037	139,408	144.99	20.37	165.36
1946	20,269,934	3,281,637	140,987	143.77	23.28	167.05
1947	21,266,490	3,340,031	144,066	147.62	23.18	170.80
1948	23,532,460	3,400,472	146,587	160.53	23.20	183.73
1949	24,466,324	3,470,872	149,087	164.11	23.28	187.39
1950	24,230,720	3,496,991	151,734	159.69	23.05	182.74
1951	21,755,888	3,591,421	154,365	140.94	23.26	164.20
1952	23,346,498	3,702,827	157,035	148.67	23.58	172.25

¹ For data from 1873-1935, see Annual Report for 1944, p. 81.

² Includes silver bullion revalued to \$1.29+ per fine troy ounce and set up as security against silver certificates; does not include bullion held at cost value by the Treasury at close of each fiscal year.

No. 18.—Summary of newly mined domestic silver purchased by the Treasury, fiscal years 1934-52

Fiscal year	Purchased under Executive Proclamation of Dec. 21, 1933, and subsequent proclamations ¹		Purchased under the act of July 6, 1939 ²		Purchased under the act of July 6, 1939, as amended by the act of July 31, 1946 ³		Total newly mined domestic	
	Fine ounces	Cost value	Fine ounces	Cost value	Fine ounces	Cost value	Fine ounces	Cost value
1934	8,558,161	\$5,532,520	---	---	---	---	8,558,161	\$5,532,520
1935	30,863,349	20,214,113	---	---	---	---	30,863,349	20,214,113
1936	49,479,904	38,181,917	---	---	---	---	49,479,904	38,181,917
1937	62,932,341	48,776,104	---	---	---	---	62,932,341	48,776,104
1938	68,117,418	50,877,249	---	---	---	---	68,117,418	50,877,249
1939	63,615,086	41,608,830	---	---	---	---	63,615,086	41,608,830
1940	17,630,035	11,396,258	---	---	---	---	63,615,086	41,608,830
1941	2,136	1,381	44,567,059	\$31,691,636	---	---	62,197,094	43,087,894
1942	---	---	71,408,243	50,778,402	---	---	71,410,379	50,779,783
1943	---	---	68,401,222	48,640,109	---	---	68,401,222	48,640,109
1944	---	---	19,602,070	13,929,032	---	---	19,602,070	13,929,032
1945	---	---	661,475	470,375	---	---	661,475	470,375
1946	---	---	71,791	51,051	---	---	71,791	51,051
1947	---	---	1,289,087	916,670	---	---	1,289,087	916,670
1948	---	---	262,544	186,695	18,087,510	\$16,370,108	18,350,054	16,556,803
1949	---	---	40,058	28,486	33,443,750	30,268,282	33,483,808	30,296,768
1950	---	---	233	165	36,328,853	32,879,431	36,329,086	32,879,596
1951	---	---	665	473	38,228,140	34,602,337	38,228,805	34,602,810
1952	---	---	5	3	38,074,031	34,455,532	38,074,036	34,455,535
	---	---	---	---	38,782,167	35,099,819	38,782,167	35,099,819
Total	301,198,430	216,588,372	206,304,452	146,683,097	202,944,451	183,675,509	710,447,333	546,956,978

¹ Purchased at the following prices: At 64.64+ cents per fine ounce Dec. 21, 1933-Apr. 9, 1935; at 71.11+ cents per fine ounce Apr. 10, 1935-Apr. 23, 1935; at 77.57+ cents per fine ounce Apr. 24, 1935-Dec. 31, 1937; at 64.64+ cents per fine ounce Jan. 1, 1938-June 30, 1939; at 71.11+ cents per fine ounce after July 1, 1939.

² Purchased at 71.11+ cents per fine ounce.

³ Purchased at 90.505+ cents per fine ounce.

Item	Philadelphia Mint	San Fran- cisco Mint	Denver Mint	New York Assay Office and West Point Bullion Depository	Seattle As- say Office	Fort Knox Bullion Deposi- tory	Total
General receipts:							
Seigniorage on subsidiary silver coinage.....	\$18,500,000.00	\$6,827,995.00	\$15,775,000.00	-----	-----	-----	\$41,102,995.00
Seigniorage on minor coinage.....	3,500,000.00	1,500,000.00	6,750,000.00	-----	-----	-----	11,750,000.00
Seigniorage on silver bullion, difference between cost value and monetary value.....	930,909.10	9,813,333.40	-----	-----	-----	-----	10,744,242.50
Charges on bullion deposits.....	15,809.67	67,043.38	19,168.65	\$33,823.84	\$15,687.17	-----	151,532.71
Bar charges on bullion sales.....	485.93	466.94	1,903.98	24,431.93	-----	-----	27,298.78
Proceeds of surplus bullion recovered.....	12,684.10	3,238.50	11,916.21	36,403.44	198.61	-----	64,440.86
Profit on sale of silver bullion.....	-----	3,109.58	-----	-----	-----	-----	3,109.58
Handling charges on gold purchases.....	4,287.61	33,267.72	58,481.15	536,629.62	20,117.99	-----	652,784.09
Handling charges on gold sales.....	6,682.89	1,638.00	7,050.79	134,465.17	-----	-----	149,836.85
Charges on sales and handling, not otherwise classified.....	793.50	-----	6.60	20.40	-----	-----	149,820.50
Commissions on telephone pay stations in Federal buildings outside of Wash- ington, D. C.....	81.14	27.98	68.27	-----	-----	-----	177.39
Fees, vending machines.....	-----	-----	118.73	-----	-----	-----	118.73
Unclaimed funds and abandoned property, not otherwise classified.....	.23	-----	8.05	-----	-----	-----	8.28
Fines, penalties, and forfeitures, not otherwise classified.....	-----	8,318.23	-----	56,916.36	-----	-----	65,234.59
Sale of scrap, salvage, and waste (byproducts), not otherwise classified.....	79.41	-----	-----	-----	-----	-----	79.41
Sale of stores.....	21.29	25.00	-----	-----	-----	-----	46.29
Testing fees.....	671.00	-----	3.00	1,482.00	297.50	-----	2,453.50
Fees and other charges for administrative, professional, and scientific services, not otherwise classified.....	68.50	-----	-----	-----	-----	-----	68.50
Fees and other charges for miscellaneous services, not otherwise classified.....	3,437.55	250.00	276.54	-----	-----	-----	3,964.09
Sale of scrap and salvaged surplus materials.....	7,575.97	1,134.71	570.87	-----	-----	-----	9,281.55
Sale of equipment.....	22.00	-----	-----	-----	-----	\$406.60	428.60
Proceeds from sales of Government property, not otherwise classified.....	-----	1,440.00	-----	-----	-----	-----	1,440.00
Recoveries, jury service.....	-----	35.00	39.00	47.66	-----	-----	121.66
Repayments, lapsed appropriations.....	-----	-----	-----	370.80	-----	-----	370.80
Refund on empty containers.....	131.25	105.67	-----	1,594.60	-----	-----	1,831.52
Recoveries and refunds, not otherwise classified.....	-----	62.70	5.77	-----	-----	-----	68.47
Total general account receipts.....	22,983,741.14	18,261,491.81	22,624,617.61	826,195.82	36,301.27	406.60	64,732,754.25
Special account receipts: Increment resulting from reduction in the weight of the gold dollar.....	231.96	199.09	298.25	42.35	118.48	-----	890.13
Total receipts.....	22,983,973.10	18,261,690.90	22,624,915.86	826,238.17	36,419.75	406.60	64,733,644.38

No. 20.—*Cash assets and liabilities of the United States Mint Institutions on June 30, 1952*

ASSETS

Institution	Gold bullion		Silver bullion ¹	
	Fine ounces	Value	Fine ounces	Value
Philadelphia Mint.....	94, 891. 647	\$3, 321, 188. 58	134, 684, 452. 62	\$118, 203, 323. 22
San Francisco Mint.....	15, 954, 495. 329	558, 407, 336. 60	592, 330, 877. 23	756, 948, 372. 26
Denver Mint.....	166, 152, 139. 115	5, 815, 324, 869. 37	176, 730, 199. 10	224, 050, 509. 23
New York Assay Office and West Point Depository.....	128, 152, 528. 968	4, 485, 338, 519. 67	377, 360, 134. 90	487, 136, 453. 16
Seattle Assay Office.....	17, 207. 196	602, 252. 23	3, 579. 56	2, 814. 28
Fort Knox Depository.....	356, 669, 010. 306	12, 483, 415, 360. 28	-----	-----
Total.....	667, 040, 272. 561	23, 346, 409, 526. 73	1, 281, 109, 243. 41	1, 586, 341, 472. 15

Institution	Silver coin	Minor coin	Paper currency
Philadelphia Mint.....	\$149, 577, 320. 15	\$437, 574. 71	-----
San Francisco Mint.....	23, 390, 947. 25	263, 387. 70	\$71, 450
Denver Mint.....	7, 190, 944. 00	1, 819, 206. 55	12, 600
New York Assay Office and West Point Depository.....	46, 979, 321. 30	4, 829. 32	198, 000
Seattle Assay Office.....	-----	-----	-----
Fort Knox Depository.....	-----	-----	-----
Total.....	227, 138, 532. 70	2, 524, 998. 28	282, 050

Institution	Minor coin- age metal	Reimburs- able losses on melted coin	Checking credit with U. S. Treas- urer	Total assets
Philadelphia Mint.....	\$253, 600. 65	\$8, 334. 27	\$359, 149. 24	\$272, 160, 490. 82
San Francisco Mint.....	95, 790. 49	51. 62	116, 077. 90	1, 339, 293, 413. 82
Denver Mint.....	225, 253. 43	-----	100, 758. 47	6, 048, 724, 141. 05
New York Assay Office and West Point Depository.....	-----	-----	-----	5, 019, 657, 123. 45
Seattle Assay Office.....	-----	-----	-----	605, 066. 51
Fort Knox Depository.....	-----	-----	-----	12, 483, 415, 360. 28
Total.....	574, 644. 57	8, 385. 89	575, 985. 61	25, 163, 855, 595. 93

LIABILITIES

Institution	Bullion fund	Minor coin- age metal fund ²	Total liabilities
Philadelphia Mint.....	\$271, 538, 874. 88	\$621, 615. 94	\$272, 160, 490. 82
San Francisco Mint.....	1, 339, 081, 545. 43	211, 868. 39	1, 339, 293, 413. 82
Denver Mint.....	6, 048, 365, 035. 26	359, 105. 79	6, 048, 724, 141. 05
New York Assay Office and West Point Depository.....	5, 019, 657, 123. 45	-----	5, 019, 657, 123. 45
Seattle Assay Office.....	605, 066. 51	-----	605, 066. 51
Fort Knox Depository.....	12, 483, 415, 360. 28	-----	12, 483, 415, 360. 28
Total.....	25, 162, 663, 005. 81	1, 192, 590. 12	25, 163, 855, 595. 93

¹ Does not include 42,512,246 fine ounces of Reconstruction Finance Corporation silver held in special custody account.

² Includes \$192,590.12 in uncurrent minor coin for recoinage.

No. 21.—Cash assets and liabilities of the United States Mint Institutions on Dec. 31, 1951

ASSETS

Institution	Gold bullion		Silver bullion ¹	
	Fine ounces	Value	Fine ounces	Value
Philadelphia Mint.....	132, 079. 343	\$4, 622, 759. 99	131, 368, 337. 14	\$149, 902, 084. 09
San Francisco Mint.....	15, 734, 159. 844	550, 695, 594. 64	580, 221, 938. 03	740, 663, 266. 53
Denver Mint.....	165, 818, 746. 539	5, 803, 656, 129. 12	175, 169, 561. 43	222, 838, 615. 34
New York Assay Office and West Point Depository.....	110, 040, 088. 422	3, 851, 403, 103. 93	377, 105, 818. 22	484, 645, 730. 73
Seattle Assay Office.....	43, 852. 367	1, 534, 833. 63	7, 402. 85	6, 237. 09
Fort Knox Depository.....	356, 669, 010. 306	12, 483, 415, 360. 28	-----	-----
Total.....	648, 437, 936. 821	22, 695, 327, 781. 59	1, 263, 873, 057. 67	1, 598, 055, 933. 78

Institution	Silver coin	Minor coin	Paper currency
Philadelphia Mint.....	\$148, 234, 667. 60	\$127, 085. 91	-----
San Francisco Mint.....	24, 645, 370. 00	18, 321. 86	\$2, 000. 00
Denver Mint.....	7, 641, 476. 60	327, 166. 68	13, 500. 00
New York Assay Office and West Point Depository.....	47, 210, 331. 10	82. 81	444, 070. 00
Seattle Assay Office.....	-----	-----	-----
Fort Knox Depository.....	-----	-----	-----
Total.....	227, 731, 845. 30	472, 657. 26	459, 570. 00

Institution	Minor coinage metal	Reimbursable losses on melted coin	Checking credit with U. S. Treasurer	Total assets
Philadelphia Mint.....	\$169, 332. 38	\$2. 83	\$423, 688. 22	\$303, 479, 621. 02
San Francisco Mint.....	130, 807. 51	795. 06	85, 101. 29	1, 316, 241, 256. 89
Denver Mint.....	216, 190. 88	-----	120, 868. 13	6, 034, 813, 946. 75
New York Assay Office and West Point Depository.....	-----	-----	-----	4, 383, 703, 318. 57
Seattle Assay Office.....	-----	-----	-----	1, 541, 070. 72
Fort Knox Depository.....	-----	-----	-----	12, 483, 415, 360. 28
Total.....	516, 330. 77	797. 89	629, 657. 64	24, 523, 194, 574. 23

LIABILITIES

Institution	Bullion fund	Minor coinage metal fund ²	Total liabilities
Philadelphia Mint.....	\$302, 855, 849. 65	\$623, 771. 37	\$303, 479, 621. 02
San Francisco Mint.....	1, 316, 014, 679. 57	226, 577. 32	1, 316, 241, 256. 89
Denver Mint.....	6, 034, 364, 308. 85	449, 637. 90	6, 034, 813, 946. 75
New York Assay Office and West Point Depository.....	4, 383, 703, 318. 57	-----	4, 383, 703, 318. 57
Seattle Assay Office.....	1, 541, 070. 72	-----	1, 541, 070. 72
Fort Knox Depository.....	12, 483, 415, 360. 28	-----	12, 483, 415, 360. 28
Total.....	24, 521, 894, 587. 64	1, 299, 986. 59	24, 523, 194, 574. 23

¹ Does not include 62,378,413 fine ounces of Reconstruction Finance Corporation silver bullion held in special custody account.

² Includes \$299,986.59 in uncurrent minor coin for recoinage.

No. 22.—United States coinage during the calendar year 1951 ¹

Denomination	Philadelphia	San Francisco	Denver	Total value	Total pieces
SILVER (900 FINE)					
Half dollars:					
Regular.....	\$8, 429, 801. 00	\$6, 848, 000	\$4, 737, 600	\$20, 015, 401. 00	40, 030, 802
Commemorative:					
Booker T. Washington.....	255, 041. 00	6, 002	6, 002	267, 045. 00	534, 090
Booker T. Washington— George Washington Carver.....	55, 009. 00	5, 002	5, 002	65, 013. 00	130, 026
Quarter dollars.....	10, 876, 400. 50	2, 262, 000	8, 838, 700	21, 977, 100. 50	87, 908, 402
Dimes.....	10, 293, 760. 20	3, 163, 000	5, 652, 900	19, 109, 660. 20	191, 096. 602
Total silver.....	29, 910. 011. 70	12, 284, 004	19, 240, 204	61, 434, 219. 70	319, 699, 922
MINOR					
5-cent pieces (eupro-nickel).....	1, 430, 475. 00	388, 800	1, 023, 000	2, 842, 275. 00	56, 845, 500
1-cent pieces (bronze).....	2, 846, 335. 00	1, 360, 100	6, 253, 550	10, 459, 985. 00	1, 045, 998, 500
Total minor.....	4, 276, 810. 00	1, 748, 900	7, 276, 550	13, 302, 260. 00	1, 102, 844, 000
Total domestic coinage.....	34, 186, 821. 70	14, 032, 904	26, 516, 754	74, 736, 479. 70	1, 422, 543, 922

¹ Metallic content, as follows:

	Short tons
Silver.....	11, 524
Copper.....	3, 811
Nickel.....	78
Zinc and tin.....	179
Total.....	5, 592

¹ Or 44,439,979 fine troy ounces.

No. 23.—Authority for United States coinage, by class and denomination, with standard weight and fineness, and total coined

GOLD COINAGE ¹

Denomination	Authorizing act	Standard weight	Standard fineness	Total coined to 1933 (May 19)	
		Grains	Thousandths	Pieces	Face amount
50 dollars commemorative, Panama-Pacific International Exposition:					
Octagonal.....	Jan. 16, 1915	1, 290	900	1, 509	\$75, 450. 00
Round.....	do.	1, 290	900	1, 510	75, 500. 00
Double eagle (\$20).....	Mar. 3, 1849	516	900	174, 105, 606	3, 482, 112, 120. 00
Do.....	Feb. 12, 1873	516	900		
Eagle (\$10).....	Apr. 2, 1792	270	916 ² / ₃	57, 683, 485	576, 834, 850. 00
Do.....	June 28, 1834	258	899. 225		
Do.....	Jan. 18, 1837	258	900		
Do.....	Feb. 12, 1873	258	900		
Half eagle (\$5).....	Apr. 2, 1792	135	916 ² / ₃	78, 911, 869	394, 559, 345. 00
Do.....	June 28, 1834	129	899. 225		
Do.....	Jan. 18, 1837	129	900		
Do.....	Feb. 12, 1873	129	900		
Quarter eagle (\$2.50) ²	Apr. 2, 1792	67. 5	916 ² / ₃	20, 216, 590	50, 541, 475. 00
Do. ²	June 28, 1834	64. 5	899. 225		
Do. ²	Jan. 18, 1837	64. 5	900		
Do. ²	Feb. 12, 1873	64. 5	900		
Quarter eagle (\$2.50), commemorative:					
Panama-Pacific International Exposition.....	Jan. 16, 1915	64. 5	900	10, 017	25, 042. 50
Sesquicentennial Exhibition.....	Mar. 3, 1925	64. 5	900	200, 226	500, 565. 00
3 dollars ³	{ Feb. 21, 1853 Feb. 12, 1873 }	77. 4	900	539, 792	1, 619, 376. 00
1 dollar ³	{ Mar. 3, 1849 Feb. 12, 1873 }	25. 8	900	19, 499, 337	19, 499, 337. 00
1 dollar, commemorative:					
Louisiana Purchase Exposition.....	June 28, 1902	25. 8	900	250, 258	250, 258. 00
Lewis and Clark Exposition.....	Apr. 13, 1904	25. 8	900	60, 069	60, 069. 00
Panama-Pacific International Exposition.....	Jan. 16, 1915	25. 8	900	25, 034	25, 034. 00
McKinley memorial.....	Feb. 23, 1916	25. 8	900	30, 040	30, 040. 00
Grant memorial.....	Feb. 2, 1922	25. 8	900	10, 016	10, 016. 00
Total gold.....				351, 545, 358	4, 526, 218, 477. 50

¹ Coinage of domestic gold coin discontinued in 1933; sec. 5 of the Gold Reserve Act of 1934 provides in part as follows:

"No gold shall hereafter be coined, and no gold coin shall hereafter be paid out or delivered by the United States * * *. All gold coin of the United States shall be withdrawn from circulation, and, together with all other gold owned by the United States, shall be formed into bars of such weights and degrees of fineness as the Secretary of the Treasury may direct."

² Discontinued by act of Apr. 11, 1930.³ Discontinued by act of Sept. 26, 1890.

No. 23.—*Authority for United States coinage, by class and denomination, with standard weight and fineness, and total coined—Continued*

SILVER COINAGE

Denomination	Authorizing act	Standard weight	Standard fineness	Total coined to Dec. 31, 1951	
				Pieces	Face amount
Dollar ^{1 2}	Apr. 2, 1792	Grains 416	Thou-sandths 892.4+	855,611,127	² \$855,611,127.00
Do. ^{1 2}	Jan. 18, 1837	412½	900		
Do. ²	Feb. 28, 1878	412½	900		
Do. ²	July 14, 1890	412½	900		
Do. ²	Mar. 3, 1891	412½	900		
Do. ²	Apr. 23, 1918	412½	900	35,965,924	35,965,924.00
Trade dollar ^{3 4}	Feb. 12, 1873	420	900		
Dollar, commemorative: Lafayette	Mar. 3, 1899	412½	900	50,026	50,026.00
Half dollar	Apr. 2, 1792	208	892.4+	943,551,537	471,775,768.50
Do.	Jan. 18, 1837	206¼	900		
Do.	Feb. 21, 1853	192	900		
Do.	Feb. 12, 1873	⁵ 192.9	900		
Half dollar, commemorative:					
Columbian Exposition	Aug. 5, 1892	192.9	900	5,002,105	2,501,052.50
Panama-Pacific International Exposition	Jan. 16, 1915	192.9	900	60,030	30,015.00
Illinois Centennial	June 1, 1918	192.9	900	100,058	50,029.00
Maine Centennial	May 10, 1920	192.9	900	50,028	25,014.00
Landing of Pilgrims, Terecentennial	May 12, 1920	192.9	900	300,165	150,082.50
Alabama Centennial	May 10, 1920	192.9	900	70,044	35,022.00
Missouri Centennial	Mar. 4, 1921	192.9	900	50,028	25,014.00
Grant	Feb. 2, 1922	192.9	900	100,061	50,030.50
Monroe Doctrine Centennial	Jan. 24, 1923	192.9	900	274,077	137,038.50
Huguenot-Walloon	Feb. 26, 1923	192.9	900	142,080	71,040.00
Stone Mountain	Mar. 17, 1924	192.9	900	2,314,709	1,157,354.50
Battle Lexington-Concord	Jan. 14, 1925	192.9	900	162,099	81,049.50
California Diamond Jubilee	Feb. 24, 1925	192.9	900	150,200	75,100.00
Fort Vancouver	do	192.9	900	50,028	25,014.00
Sesquicentennial Exhibition	Mar. 3, 1925	192.9	900	1,000,528	500,264.00
Battle of Bennington	Feb. 24, 1925	192.9	900	40,034	20,017.00
Oregon Trail	May 17, 1926	192.9	900	264,419	132,209.50
Hawaiian Discovery	Mar. 7, 1928	192.9	900	10,008	5,004.00
Texas Centennial	June 15, 1933	192.9	900	304,193	152,096.50
Daniel Boone Bicentennial	May 26, 1934	192.9	900	108,603	54,301.50
Maryland Tercentennial	May 9, 1934	192.9	900	25,015	12,507.50
Arkansas Centennial	May 14, 1934	192.9	900	120,166	60,083.00
Connecticut Tercentennial	June 21, 1934	192.9	900	25,018	12,509.00
City of Hudson, N. Y.	May 2, 1935	192.9	900	10,008	5,004.00
Providence, R. I., Tercentennial	do	192.9	900	50,034	25,017.00
California-Pacific Exposition	May 3, 1935	192.9	900	430,224	215,112.00
Old Spanish Trail	June 5, 1935	192.9	900	10,008	5,004.00
Columbia, S. C., Sesquicentennial	Mar. 18, 1936	192.9	900	25,023	12,511.50
Cincinnati, Ohio, fiftieth anniversary as music center	Mar. 31, 1936	192.9	900	15,016	7,508.00

¹ Dollar of 1792 discontinued by act of Jan. 18, 1837; dollar of 1837 discontinued by act of Feb. 12, 1873.

² See following:

Silver-dollar coinage:

Act Apr. 2, 1792:

From 1792 to 1805..... \$1,439,517

During 1836..... 1,000

Act Jan. 18, 1837: From 1839 to Feb. 12, 1873..... \$1,440,517

Act Feb. 28, 1878 (Bland-Allison Act)..... 6,590,721

Act July 14, 1890 (Sherman Act), to date of repeal of purchasing clause

thereof Oct. 31, 1893..... 378,166,793

Act Nov. 1, 1893, to June 12, 1898..... \$36,087,285

Act June 13, 1898, war revenue bill..... 42,139,872

Act Mar. 3, 1887 and 1891, trade-dollar conversion..... 108,800,188

Act Apr. 23, 1918, Pittman Act replacement..... 187,027,345

Old design, since Feb. 21, 1921..... 5,078,472

Peace dollar, since Dec. 21, 1921..... \$86,730,000

Act May 12, 1933 (sec. 43), Executive proclamation, Dec. 21, 1933..... 183,502,722

Act June 19, 1934 (sec. 7), Executive proclamation, Aug. 9, 1934..... 270,232,722

Act May 12, 1933 (sec. 43), Executive proclamation, Dec. 21, 1933..... 7,021,528

Act June 19, 1934 (sec. 7), Executive proclamation, Aug. 9, 1934..... 53,029

Total..... 855,611,127

³ Coinage limited to export demand by joint resolution July 22, 1876. Redeemed \$7,689,036 at face amount under act Mar. 3, 1887, converted into 5,078,472 standard dollars and \$2,889,011 subsidiary silver coin.

⁴ Discontinued by act of Mar. 3, 1887.

⁵ 12½ grams, or 192.9 grains.

No. 23.—*Authority for United States coinage, by class and denomination, with standard weight and fineness, and total coined—Continued*

SILVER COINAGE—Continued

Denomination	Authorizing act	Standard weight	Standard fineness	Total coined to Dec. 31, 1951	
		<i>Grains</i>	<i>Thou- sandths</i>	<i>Pieces</i>	<i>Face amount</i>
Half dollar, commemorative—Con. Long Island, N. Y., Terecenten- nial.....	Apr. 13, 1936	192.9	900	100,053	\$50,026.50
Great Lakes Exposition—Cleve- land, Ohio, Centennial.....	May 5, 1936	192.9	900	50,030	25,015.00
New Rochelle, N. Y., two hun- dred and fiftieth anniversary.....do.....	192.9	900	25,015	12,507.50
Bridgeport, Conn., Centennial.....	May 15, 1936	192.9	900	25,015	12,507.50
Wiseonsin Centennial.....do.....	192.9	900	25,015	12,507.50
Swedes' landing in Delaware, Terecentennial.....do.....	192.9	900	25,015	12,507.50
Lynchburg, Va., Sesquicenten- nial.....	May 28, 1936	192.9	900	20,013	10,006.50
Albany, N. Y., two hundred and fiftieth anniversary.....	June 16, 1936	192.9	900	25,013	12,506.50
Elgin, Ill., Centennial.....do.....	192.9	900	25,015	12,507.50
Battle of Gettysburg, seventy- fifth anniversary.....do.....	192.9	900	50,028	25,014.00
Roanoke Island, N. C., three- hundred and fiftieth anniver- sary.....	June 24, 1936	192.9	900	50,030	25,015.00
San Francisco - Oakland Bay Bridge.....	June 26, 1936	192.9	900	100,055	50,027.50
York County, Maine, Terecen- tennial.....do.....	192.9	900	25,015	12,507.50
Battle of Antietam, seventy-fifth anniversary.....	June 24, 1937	192.9	900	50,028	25,014.00
Norfolk, Va., Terecentennial of land grant and bicentennial of city.....	June 28, 1937	192.9	900	25,013	12,506.50
Iowa Centennial.....	Aug. 7, 1946	192.9	900	100,057	50,028.50
Booker T. Washington.....do.....	192.9	900	3,167,205	1,583,602.50
Booker T. Washington—George Washington Carver.....	⁶ Sept. 21, 1951	192.9	900	130,026	65,013.00
Quarter dollar.....	Apr. 2, 1792	104	892.4+	1,885,921,387	471,480,346.75
Do.....	Jan. 18, 1837	103½	900		
Do.....	Feb. 21, 1853	96	900		
Do.....	Feb. 12, 1873	⁷ 96.45	900		
Quarter dollar, commemorative: Co- lumbian Exposition.....	Mar. 3, 1893	96.45	900	40,023	10,005.75
20 cents ⁸	Mar. 3, 1875	⁹ 77.16	900	1,355,000	271,000.00
Dime.....	Apr. 2, 1792	41.6	892.4+	4,530,705,047	453,070,504.70
Do.....	Jan. 18, 1837	41¼	900		
Do.....	Feb. 21, 1853	38.4	900		
Do.....	Feb. 12, 1873	¹⁰ 38.58	900		
Half dime ¹¹	Apr. 2, 1792	20.8	892.4+	97,604,388	4,880,219.40
Do. ¹¹	Jan. 18, 1837	20¾	900		
Do. ¹¹	Feb. 21, 1853	19.2	900		
3 cents ¹¹	Mar. 3, 1851	12¾	750	42,736,240	1,282,087.20
Do. ¹¹	Mar. 3, 1853	11.52	900		
Total silver.....	8,408,822,349	2,302,037,834.30

⁶ Amending act of Aug. 7, 1946, which authorized the Booker T. Washington half dollar.⁷ 6¼ grains, or 96.45 grains.⁸ Discontinued by act of May 2, 1878.⁹ 5 grains, or 77.16 grains.¹⁰ 2¾ grains, or 38.58 grains.¹¹ Discontinued by act of Feb. 12, 1873.

No. 23.—*Authority for United States coinage, by class and denomination, with standard weight and fineness, and total coined—Continued*

MINOR COINAGE

Denomination	Authorizing act	Standard weight	Standard composition ¹	Total coined to Dec. 31, 1951	
				Pieces	Face amount
5 cents (nickel)-----	May 16, 1866	} 77. 16	-----	3, 425, 537, 448	\$171, 276, 872. 40
Do-----	Feb. 12, 1873				
5 cents (silver)-----	(²)	77. 16	-----	869, 923, 700	43, 496, 185. 00
3 cents (nickel) ³ -----	Mar. 3, 1865	} 30	-----	31, 378, 316	941, 349. 48
Do. ³ -----	Feb. 12, 1873				
2 cents (bronze) ⁴ -----	Apr. 22, 1864	96	-----	45, 601, 000	912, 020. 00
Cent (copper)-----	Apr. 2, 1792	264	-----	} 156, 288, 744	1, 562, 887. 44
Do-----	Jan. 14, 1793	208	-----		
Do-----	⁵ Jan. 26, 1796	186	-----		
Do. ⁶ -----	Jan. 18, 1837	168	-----		
Cent (nickel) ⁷ -----	Feb. 21, 1857	72	-----	200, 772, 000	2, 007, 720. 00
Cent (bronze)-----	Apr. 22, 1864	} 48	-----	13, 798, 200, 984	137, 982, 009. 84
Do-----	Feb. 12, 1873				
Cent (zinc-steel)-----	(⁸)	41. 5	-----	} 1, 093, 838, 670	10, 938, 386. 70
Do-----	(⁸)	42. 5	-----		
Cent (copper-zinc)-----	(⁹)	48	-----	5, 102, 736, 000	51, 027, 360. 00
Half cent (copper)-----	Apr. 2, 1792	132	-----	} 7, 981, 822	39, 909. 11
Do-----	Jan. 14, 1793	104	-----		
Do-----	⁵ Jan. 25, 1796	84	-----		
Do. ⁶ -----	Jan. 18, 1837	84	-----		
Total minor-----			-----	24, 732, 258, 684	420, 184, 699. 97
Grand total gold, silver, and minor-----			-----	33, 492, 626, 391	7, 248, 441, 011. 77

¹ Composition—percent:

5 and 3 cents (nickel)—copper, 75; nickel, 25.

5 cents (silver)—copper, 56; silver, 35; manganese, 9.

2 and 1 cent (bronze)—copper, 95; tin and zinc, 5.

1 and ½ cent (copper)—pure copper.

1 cent (nickel)—copper, 88; nickel, 12.

1 cent (zinc-steel)—steel, with obverse and reverse sides covered with a coating of not to exceed 0.001 inch zinc.

1 cent (copper-zinc)—copper 95; zinc 5.

² 5 cents (silver) coined, under provisions of act of Mar. 27, 1942, as amended by act of Dec. 28, 1945, from Oct. 1, 1942, until expiration of authority Dec. 31, 1945.³ 3-cent (nickel) discontinued by act of Sept. 26, 1890.⁴ 2-cent (bronze) discontinued by act of Feb. 12, 1873.⁵ Proclamation of the President in conformity with act of Mar. 3, 1795.⁶ Copper cent and half cent discontinued by act of Feb. 21, 1857.⁷ Nickel cent discontinued by act of Apr. 22, 1864.⁸ Zinc-steel cent coined, by orders of Secretary of the Treasury dated Dec. 23, 1942, and May 15, 1943, pursuant to act of Dec. 18, 1942, during calendar year 1943.⁹ Copper-zinc cent coined, by order of Secretary of the Treasury of Dec. 16, 1943, pursuant to act of Dec. 18, 1942, from Jan. 1944 until expiration of authority Dec. 31, 1946.

Note.—Additional coinage information, by mints and calendar years, is available in pamphlet form entitled "Domestic Coin Manufactured By Mints of the United States". This pamphlet is for sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C., at a cost of 15 cents.

No. 24.—United States coinage of each Mint by class, denomination, and number of pieces, from organization to close of business, Dec. 31, 1951¹

Class and denomination	Philadelphia 1793-1951 (159 years)	San Francisco 1854-1951 (98 years)	Denver 1906-51 (46 years)	New Orleans 1838-61, 1879- 1909 (55 years)	Carson City 1870-93 (24 years)	Charlotte 1838-61 (24 years)	Dahlongega 1838-61 (24 years)	Total 1793-1951 (159 years)
Gold:								
50 dollars.....		3, 019						3, 019
Double eagles.....	71, 180, 127	88, 134, 526	13, 108, 000	818, 775	864, 178			174, 105, 606
Eagles.....	34, 554, 932	14, 558, 406	5, 909, 280	2, 361, 089	299, 778			57, 683, 485
Half eagles.....	41, 969, 621	28, 028, 008	5, 292, 660	923, 725	709, 617	881, 027	1, 107, 211	78, 911, 869
3 dollars.....	452, 572	62, 100		24, 000			1, 120	539, 792
Quarter eagles.....	16, 965, 555	754, 519	1, 081, 680	1, 209, 263		217, 966	197, 850	20, 426, 833
Dollars.....	18, 573, 821	115, 266		1, 004, 000		109, 138	72, 529	19, 874, 754
Total gold.....	183, 696, 628	131, 655, 844	25, 391, 620	6, 340, 852	1, 873, 573	1, 208, 131	1, 378, 710	351, 545, 358
Silver:								
Dollars.....	423, 758, 122	183, 504, 073	47, 406, 100	187, 111, 529	13, 881, 329			855, 661, 153
Trade dollars.....	5, 107, 524	26, 647, 000			4, 211, 400			35, 965, 924
Half dollars.....	547, 436, 542	196, 732, 104	120, 121, 238	80, 234, 676	5, 308, 627			958, 833, 187
Quarter dollars.....	1, 291, 980, 276	242, 942, 142	280, 379, 200	60, 343, 000	10, 316, 792			1, 885, 961, 410
20 cents.....	56, 710	1, 155, 000			143, 290			1, 355, 000
Dimes.....	2, 924, 251, 544	696, 435, 189	821, 037, 300	68, 079, 906	20, 901, 108			4, 530, 705, 047
Half dimes.....	78, 975, 838	2, 382, 000		16, 246, 550				97, 604, 388
3 cents.....	42, 016, 240			720, 000				42, 736, 240
Total silver.....	5, 313, 582, 796	1, 349, 797, 508	1, 277, 943, 838	412, 735, 661	54, 762, 546			8, 408, 822, 349
Minor:								
5 cents.....	3, 222, 736, 618	497, 135, 000	575, 589, 530					4, 295, 461, 148
3 cents.....	31, 378, 316							31, 378, 316
2 cents.....	45, 601, 000							45, 601, 000
1 cent.....	14, 236, 531, 398	2, 296, 730, 000	3, 818, 575, 000					20, 351, 836, 398
Half cent.....	7, 981, 822							7, 981, 822
Total minor.....	17, 544, 229, 154	2, 793, 865, 000	4, 394, 164, 530					24, 732, 258, 684
Total coinage.....	23, 041, 508, 578	4, 275, 318, 352	5, 697, 499, 988	419, 076, 513	56, 636, 119	1, 208, 131	1, 378, 710	33, 492, 626, 391

¹ Acts authorizing establishment of the various Mints include the following: Apr. 2, 1792, Philadelphia; Mar. 3, 1835, Charlotte, Dahlongega, and New Orleans; July 3, 1852, San Francisco; Apr. 21, 1862, Denver; and Mar. 3, 1863, Carson City.

Class and denomination	Philadelphia	San Francisco	Denver	New Orleans	Carson City	Charlotte	Dahlgonega	Total
Gold:								
50 dollars-----		\$150,950.00						\$150,950.00
Double eagles-----	\$1,423,602,540.00	1,762,090,520.00	\$262,160,000.00	\$16,375,500.00	\$17,283,560.00			3,482,112,120.00
Eagles-----	345,549,320.00	145,584,060.00	59,092,800.00	23,610,890.00	2,997,780.00			576,834,850.00
Half eagles-----	209,848,105.00	140,140,040.00	26,463,300.00	4,618,625.00	3,548,085.00	\$4,405,135.00	\$5,536,055.00	394,559,345.00
3 dollars-----	1,357,716.00	186,300.00		72,000.00			3,360.00	1,619,376.00
Quarter eagles-----	42,413,887.50	1,886,297.50	2,704,200.00	3,023,157.50		544,915.00	494,625.00	51,067,082.50
Dollars-----	18,573,821.00	115,266.00		1,004,000.00		109,138.00	72,529.00	19,874,754.00
Total gold-----	2,041,345,389.50	2,050,753,433.50	350,420,300.00	48,704,172.50	23,829,425.00	5,059,183.00	6,106,569.00	4,526,218,477.50
Silver:								
Dollars-----	423,758,122.00	183,504,073.00	47,406,100.00	187,111,529.00	13,881,329.00			855,661,153.00
Trade dollars-----	5,107,524.00	26,647,000.00			4,211,400.00			35,965,924.00
Half dollars-----	273,718,271.00	98,366,052.00	64,560,619.00	40,117,338.00	2,654,313.50			479,416,593.50
Quarter dollars-----	322,995,069.00	60,735,535.50	70,094,800.00	15,085,750.00	2,579,198.00			471,490,352.50
20 cents-----	11,342.00	231,000.00			28,658.00			271,000.00
Dimes-----	292,425,154.40	69,643,518.90	82,103,730.00	6,807,990.60	2,090,110.80			453,070,504.70
Half dimes-----	3,948,791.90	119,100.00		812,327.50				4,880,219.40
3 cents-----	1,260,487.20			21,600.00				1,282,087.20
Total silver-----	1,323,224,761.50	439,246,279.40	264,165,249.00	249,956,535.10	25,445,009.30			2,302,037,834.30
Minor:								
5 cents-----	161,136,830.99	24,856,750.00	28,779,476.50					214,773,057.49
3 cents-----	941,349.48							941,349.48
2 cents-----	912,020.00							912,020.00
1 cent-----	142,365,313.98	22,967,500.00	38,185,750.00					203,518,363.98
Half cent-----	39,909.11							39,909.11
Total minor-----	305,395,423.47	47,824,050.00	66,965,226.50					420,184,699.97
Total coinage-----	3,669,965,574.47	2,537,823,762.90	681,550,775.50	298,660,707.60	49,274,434.30	5,059,188.00	6,106,569.00	7,243,441,011.77

No. 26.—United States coinage during the past 10 fiscal years—by denomination and number of pieces

Mint and denomination	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	Total
PHILADELPHIA											
Silver:											
Half dollars	67,023,354	32,918,000	40,878,000	8,550,000	13,406,603	3,120,022	4,110,818	6,506,927	6,992,229	23,844,496	207,410,449
Quarter dollars	140,585,354	79,688,000	95,180,000	53,700,000	40,652,000	26,948,000	36,536,000	11,562,194	29,220,948	41,194,117	554,666,613
Dimes	254,000,254	156,430,000	244,130,000	166,910,000	225,450,000	87,700,000	80,720,000	5,302,573	79,518,557	110,290,117	1,410,460,501
Minor:											
5-cent pieces	216,594,600	161,678,000	108,748,100	140,067,000	122,272,000	98,764,000	82,116,000	50,331,554	10,091,432	44,254,000	1,034,916,686
1-cent pieces	279,242,800	1,119,423,670	1,577,669,000	678,664,000	849,500,000	244,135,000	255,735,000	173,240,416	292,440,570	209,731,000	5,679,781,456
Total	957,455,362	1,550,137,670	2,066,605,100	1,047,891,000	1,250,740,603	460,667,022	459,217,818	246,943,664	418,263,736	429,313,730	8,887,235,705
SAN FRANCISCO											
Silver:											
Half dollars	13,376,000	12,158,000	10,702,000	8,196,000	500,279	120,022	12,004	4,256,091	3,286,004	12,730,007	65,336,407
Quarter dollars	20,684,000	19,476,000	16,036,001	8,392,000	4,204,000	5,532,000	15,960,000	1,728,000	11,984,004	10,363,800	114,359,805
Dimes	53,160,000	63,530,600	45,370,000	42,470,000	16,070,000	23,680,000	35,520,000	13,510,000	30,120,000	41,399,500	364,829,500
Minor:											
5-cent pieces	89,490,000	61,510,000	17,360,000	60,579,000	22,260,000	4,620,000	21,016,000	-----	7,776,000	9,436,000	294,047,000
1-cent pieces	71,170,000	418,490,000	83,160,000	135,470,000	232,300,000	118,900,000	55,585,000	58,860,000	126,045,000	133,130,004	1,433,110,004
Total	247,880,000	575,164,000	172,628,001	255,107,000	275,354,279	152,852,022	128,093,004	78,354,091	179,211,008	207,059,311	2,271,682,716
DENVER											
Silver:											
Half dollars	14,446,000	5,607,800	11,742,200	5,823,600	5,327,813	4,148,622	2,660,004	5,355,204	6,951,604	19,495,407	81,558,254
Quarter dollars	19,348,400	12,086,800	15,000,800	7,204,000	8,312,400	17,742,400	17,906,400	2,648,800	30,808,400	44,062,000	175,120,400
Dimes	100,471,000	24,462,000	52,151,000	57,583,500	57,947,000	33,394,000	63,685,000	9,770,000	52,103,000	108,339,000	559,905,500
Minor:											
5-cent pieces	132,498,000	30,442,000	29,519,000	41,980,000	52,438,200	20,868,000	53,215,000	20,645,000	22,978,030	23,202,000	295,287,230
1-cent pieces	-----	380,740,000	298,488,000	242,538,000	366,355,000	113,250,000	186,480,000	133,555,000	447,506,000	719,625,000	3,021,064,000
Total	266,763,400	453,338,600	406,901,000	355,129,100	490,410,413	189,403,022	323,946,404	171,974,004	560,346,034	914,723,407	4,132,935,384
ALL MINTS											
Silver:											
Half dollars	94,845,354	50,683,800	63,322,200	22,569,600	19,294,695	7,388,666	6,782,826	16,118,222	17,229,837	56,069,910	354,305,110
Quarter dollars	180,617,754	111,250,800	126,216,801	69,296,000	52,568,400	50,222,400	70,402,400	15,938,994	72,013,352	95,619,917	844,146,818
Dimes	407,640,254	244,422,000	341,651,000	266,963,500	299,467,000	144,771,000	179,925,000	28,582,573	161,741,557	260,028,617	2,335,195,501
Minor:											
5-cent pieces	306,084,600	253,630,000	155,627,100	242,626,000	196,970,200	124,252,000	156,347,000	70,976,551	40,845,462	76,892,000	1,624,250,916
1-cent pieces	482,910,800	1,918,653,670	1,959,317,000	1,056,672,000	1,448,185,000	476,285,000	497,800,000	365,655,416	865,990,570	1,062,486,004	10,133,955,460
Grand total pieces	1,472,098,762	2,578,640,270	2,646,134,101	1,658,127,100	2,016,485,295	802,922,066	911,257,226	497,271,759	1,157,820,778	1,551,096,448	15,291,853,805

No. 27.—United States coinage during the past 10 fiscal years—by denomination and face value (cents rounded to nearest dollar)

Mint and denomination	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	Total
PHILADELPHIA											
Silver:											
Half dollars.....	\$33,511,677	\$16,459,000	\$20,439,000	\$4,275,000	\$6,733,302	\$1,560,011	\$2,055,409	\$3,253,464	\$3,496,114	\$11,922,248	\$103,705,225
Quarter dollars.....	35,146,339	19,922,000	23,795,000	13,425,000	10,013,000	6,737,000	9,134,000	2,890,548	7,305,237	10,298,529	138,666,653
Dimes.....	25,400,925	15,643,000	24,413,000	16,691,000	22,545,000	8,770,000	8,072,000	530,257	7,951,856	11,029,012	141,046,050
Minor:											
5-cent pieces.....	10,829,730	8,083,900	5,437,405	7,003,350	6,113,600	4,938,200	4,105,800	2,516,578	504,572	2,212,700	51,745,835
1-cent pieces.....	2,792,428	11,194,237	15,776,690	6,786,640	8,495,000	2,441,350	2,557,350	1,732,404	2,924,406	2,097,310	56,797,815
Total.....	107,681,099	71,302,137	89,861,095	48,180,990	53,899,902	24,446,561	25,924,559	10,923,251	22,182,185	37,559,799	491,961,578
SAN FRANCISCO											
Silver:											
Half dollars.....	6,688,000	6,079,000	5,351,000	4,098,000	250,139	60,011	6,002	2,128,046	1,643,002	6,365,004	32,668,204
Quarter dollars.....	5,171,000	4,869,000	4,009,000	2,098,000	1,051,000	1,383,000	3,990,000	432,000	2,996,001	2,590,950	28,589,951
Dimes.....	5,316,000	6,353,000	4,537,000	4,247,000	1,607,000	2,368,000	3,552,000	1,351,000	3,012,000	4,139,950	36,482,950
Minor:											
5-cent pieces.....	4,474,500	3,075,500	868,000	3,028,950	1,113,000	231,000	1,050,800	-----	388,800	471,800	14,702,350
1-cent pieces.....	711,700	4,184,900	831,600	1,354,700	2,323,000	1,189,000	555,850	588,600	1,260,450	1,331,300	14,331,100
Total.....	22,361,200	24,561,400	15,596,600	14,826,650	6,344,139	5,231,011	9,154,652	4,499,646	9,300,253	14,899,004	126,774,555
DENVER											
Silver:											
Half dollars.....	7,223,000	2,803,900	5,871,100	2,911,800	2,663,907	2,074,311	1,330,002	2,677,602	3,475,802	9,747,703	40,779,127
Quarter dollars.....	4,837,100	3,021,700	3,750,200	1,801,000	2,078,100	4,435,600	4,476,600	662,200	7,702,100	11,015,500	43,780,100
Dimes.....	10,047,100	2,446,200	5,215,100	5,758,350	5,794,700	3,339,400	6,368,500	977,000	5,210,300	10,833,900	55,990,550
Minor:											
5-cent pieces.....	-----	1,522,100	1,475,950	2,099,000	2,621,910	1,043,400	2,660,750	1,032,250	1,148,901	1,160,100	14,764,361
1-cent pieces.....	1,324,980	3,807,400	2,984,880	2,425,380	3,663,850	1,132,500	1,864,800	1,335,550	4,475,050	7,196,250	30,210,640
Total.....	23,432,180	13,601,300	19,297,230	14,995,530	16,822,467	12,025,211	16,700,652	6,684,602	22,012,153	39,953,453	185,524,778
ALL MINTS											
Silver:											
Half dollars.....	47,422,677	25,341,900	31,661,100	11,284,800	9,647,348	3,694,333	3,391,413	8,059,111	8,614,918	28,034,955	177,152,555
Quarter dollars.....	46,154,439	27,812,700	31,554,200	17,324,000	13,142,100	12,555,600	17,600,600	3,984,749	18,003,338	23,904,979	211,036,705
Dimes.....	40,764,025	24,442,200	34,165,100	26,696,350	29,946,700	14,477,400	17,992,500	2,858,257	16,174,156	26,002,862	233,519,550
Minor:											
5-cent pieces.....	15,304,230	12,681,500	7,781,355	12,131,300	9,848,510	6,212,600	7,817,350	3,548,828	2,042,273	3,844,600	81,212,546
1-cent pieces.....	4,829,108	19,186,537	19,593,170	10,566,720	14,481,850	4,762,850	4,978,000	3,656,554	8,659,906	10,624,860	101,339,555
Grand total amount...	153,474,479	109,464,837	124,754,925	78,003,170	77,066,508	41,702,783	51,779,863	22,107,499	53,494,591	92,412,256	804,260,911

No. 28.—*Summary of estimated stock of coins in the United States at end of each fiscal and calendar year from 1933*

[Includes coins held by the Treasury, by Federal Reserve banks and agents, and in circulation]

Year and month	Standard silver dollars	Subsidiary silver coins	Minor coins	Total coins
1933 June	\$540,007.398	\$298,634.122	\$126,746.231	\$965,387.751
December	540,007.398	299,953,742	126,811,746	966,772,886
1934 June	540,007,124	295,891,990	127,711,110	963,610,224
December	543,541,451	309,431,860	130,508,154	983,481,465
1935 June	545,642,265	313,423,778	133,038,929	992,104,972
December	547,080,802	327,747,228	136,139,659	1,010,967,689
1936 June	547,080,503	331,715,133	139,062,150	1,017,857,786
December	547,080,164	356,136,366	147,280,710	1,050,497,240
1937 June	547,079,989	358,975,368	150,953,763	1,057,009,120
December	547,079,825	372,297,909	155,798,068	1,075,175,802
1938 June	547,079,506	373,461,187	157,183,326	1,077,724,019
December	547,079,218	376,226,654	159,057,029	1,082,362,901
1939 June	547,078,920	379,811,734	161,146,333	1,088,036,987
December	547,078,589	399,460,421	168,942,520	1,115,481,530
1940 June	547,078,371	402,260,615	173,909,111	1,123,248,097
December	547,078,223	424,784,848	189,378,171	1,161,241,242
1941 June	547,078,002	447,247,697	199,307,332	1,193,633,031
December	547,077,816	496,964,623	215,131,899	1,259,174,338
1942 June	547,077,816	529,813,870	224,747,537	1,301,639,223
December	547,077,254	596,400,715	232,134,308	1,375,612,277
1943 June	538,996,515	659,969,226	244,849,954	1,443,815,695
December	497,190,051	699,034,993	262,598,172	1,458,823,216
1944 June	494,338,077	731,487,636	276,592,485	1,505,418,198
December	494,021,172	784,119,056	292,395,960	1,570,536,188
1945 June	493,943,078	825,798,486	303,539,136	1,623,280,700
December	493,942,783	856,932,648	317,386,695	1,668,262,126
1946 June	493,580,003	878,958,125	325,977,935	1,698,516,063
December	493,544,511	915,085,592	343,713,071	1,752,343,174
1947 June	493,462,387	922,656,000	348,889,000	1,765,007,387
December	493,462,187	941,767,329	354,459,247	1,789,688,754
1948 June	493,100,146	952,298,876	359,505,845	1,804,904,867
December	493,099,810	977,379,766	367,002,870	1,837,482,446
1949 June	492,857,480	989,455,582	371,955,700	1,854,268,762
December	492,857,094	993,591,688	376,303,514	1,862,752,296
1950 June	492,582,858	1,001,573,600	378,463,200	1,872,619,658
December	492,560,228	1,025,760,900	383,508,000	1,901,829,128
1951 June	492,248,551	1,041,945,901	388,646,092	1,922,840,544
December	492,215,363	1,084,788,100	397,190,500	1,974,193,963
1952 June	491,896,851	1,117,889,100	402,702,200	2,012,488,151

No. 29.—*Minor coins outstanding on June 30, 1952* ¹

Denomination and composition ²	Total coined	Total withdrawn from monetary use ³	Total outstanding ⁴
Half cents, copper ⁵	\$39,909.11	\$3.84	\$39,905.27
Cents:			
Copper	1,562,887.44	383,863.91	1,179,023.53
Nickel-copper	2,007,720.00	809,591.62	1,198,128.38
Bronze and copper-zinc	192,869,740.88	2,905,935.72	189,963,805.16
Zinc-coated steel	10,938,386.70	891,752.62	10,046,634.08
2 cents, bronze	912,020.00	344,268.82	567,751.18
3 cents, nickel-copper	941,349.48	288,121.29	653,228.19
5 cents:			
Nickel-copper	174,039,177.40	13,623,323.10	160,415,854.30
Copper-silver-manganese	43,496,185.00	217,385.60	43,278,799.40
Total	426,807,376.01	19,464,246.52	407,343,129.49

¹ Will not agree with figures in table, stock of (minor) coins in the United States. (See Bases Used for Mint Service Statistics.)

² See table, Authority for United States coinage, for weights and proportions of metals.

³ Consists only of worn and mutilated coins unfit for circulation, returned to the mints and melted.

⁴ Represents total coinage minus worn and mutilated coins returned to the mints and melted.

⁵ There is no record of the earlier melting of copper half cents, but it is believed that few, if any, are now in circulation.

No. 30.—*Coinage by United States Mints for foreign countries during the calendar year 1951*¹

Country and denomination	Composition	Gross weight per coin	Number of pieces coined		
			Philadel- phia	San Fran- cisco	Total
Costa Rica: 5 centimos.....	75 copper, 25 nickel.....	Grams 1	3, 000, 000	-----	3, 000, 000
Dominican Republic: 50 centavos.....	900 silver, 100 copper.....	12. 5	200, 000	-----	200, 000
25 centavos.....	do.....	6. 25	400, 000	-----	400, 000
10 centavos.....	do.....	2. 5	500, 000	-----	500, 000
5 centavos.....	75 copper, 25 nickel.....	5	2, 000, 000	-----	2, 000, 000
1 centavo.....	95 copper, 5 zinc and tin.....	3	3, 000, 000	-----	3, 000, 000
Total.....	-----	-----	6, 100, 000	-----	6, 100, 000
El Salvador: 10 centavos.....	75 copper, 25 nickel.....	7	-----	1, 000, 000	1, 000, 000
5 centavos.....	do.....	5	-----	2, 000, 000	2, 000, 000
1 centavo.....	95 copper, 5 zinc and tin.....	2. 5	-----	10, 000, 000	10, 000, 000
Total.....	-----	-----	-----	13, 000, 000	13, 000, 000
Honduras: 50 centavos.....	900 silver, 100 copper.....	6. 25	500, 000	-----	500, 000
20 centavos.....	do.....	2. 5	1, 500, 000	-----	1, 500, 000
10 centavos.....	75 copper, 25 nickel.....	7	1, 000, 000	-----	1, 000, 000
Total.....	-----	-----	3, 000, 000	-----	3, 000, 000
Syria: 1 pound.....	900 gold, 100 copper.....	6. 7585½	250, 000	-----	250, 000
½ pound.....	do.....	3. 3792¾	100, 000	-----	100, 000
Total.....	-----	-----	350, 000	-----	350, 000
Grand total.....	-----	-----	12, 450, 000	13, 000, 000	25, 450, 000

¹ No foreign coins were manufactured at the Denver Mint during 1951.

No. 31.—*Summary of foreign coinage by United States Mints, by country, through Dec. 31, 1951*¹

Country	Number of pieces produced	Country	Number of pieces produced
Argentina.....	64, 058, 334	Honduras.....	34, 400, 000
Australia.....	168, 000, 000	Indochina.....	135, 270, 000
Belgian Congo.....	25, 000, 000	Liberia.....	1, 312, 500
Belgium.....	25, 000, 000	Mexico.....	91, 076, 840
Bolivia.....	30, 000, 000	Netherlands.....	562, 500, 000
China.....	39, 720, 096	Netherlands East Indies.....	1, 716, 368, 000
Colombia.....	133, 461, 872	Nicaragua.....	26, 080, 000
Costa Rica.....	12, 123, 803	Panama.....	20, 624, 880
Cuba.....	334, 609, 888	Peru.....	136, 045, 669
Curacao.....	12, 000, 000	Philippines.....	897, 782, 332
Dominican Republic.....	33, 017, 803	Poland.....	6, 000, 000
Ecuador.....	214, 451, 060	Saudi Arabia.....	124, 712, 574
El Salvador.....	94, 695, 351	Siam.....	20, 000, 000
Ethiopia.....	170, 433, 730	Surinam.....	21, 195, 000
Fiji.....	4, 800, 000	Syria.....	7, 350, 000
France.....	50, 000, 000	Venezuela.....	207, 262, 944
Greenland.....	100, 000		
Guatemala.....	7, 835, 000		
Haiti.....	15, 000, 000		
Hawaii (prior to United States accession).....	1, 950, 000		
		Total (36 countries).....	5, 444, 237, 676

¹ Foreign coinage by U. S. Mints was authorized by act of Jan. 29, 1874.

No. 32.—Summary of foreign coinage by United States Mints, by year, through Dec. 31, 1951 ¹

Year	Number of pieces produced	Year	Number of pieces produced
1876-77	12,000,000	1924	12,663,196
1883-84	1,950,000	1925	13,461,000
1895	4,500,000	1926	14,987,000
1896	500,000	1927	3,650,000
1897		1928	16,701,000
1898	3,346,714	1929	34,980,000
1899	906,089	1930	3,300,120
1900	320,000	1931	4,498,020
1901	225,000	1932	9,756,096
1902		1933	15,240,000
1903	21,292,844	1934	24,280,000
1904	70,640,489	1935	109,600,850
1905	36,675,526	1936	32,350,000
1906	13,321,394	1937	26,800,000
1907	45,313,047	1938	48,579,644
1908	29,645,359	1939	15,725,000
1909	11,298,981	1940	33,170,000
1910	7,153,818	1941	208,603,500
1911	7,794,406	1942	307,737,000
1912	6,244,348	1943	186,682,000
1913	7,309,258	1944	788,498,000
1914	17,335,005	1945	1,802,376,008
1915	55,485,190	1946	504,528,000
1916	37,441,328	1947	277,376,094
1917	25,208,497	1948	21,950,000
1918	60,102,000	1949	156,687,944
1919	100,269,195	1950	2,000,000
1920	99,002,334	1951	25,450,000
1921	55,094,352		
1922	7,863,030	Total	5,444,237,676
1923	4,369,000		

¹ Foreign coinage by U. S. Mints was authorized by act of Jan. 29, 1874.

No. 33.—Price of silver in New York, 1951-52 ¹

Year and month	New York official price per ounce 0.999 fine		
	Highest	Lowest	Average
1951			
January	\$0.90160	\$0.80000	\$0.88709
February	.90160	.90160	.90160
March	.90160	.90160	.90160
April	.90160	.90160	.90160
May	.90160	.90160	.90160
June	.90160	.87750	.88439
July	.90160	.90160	.90160
August	.90160	.90160	.90160
September	.90160	.90160	.90160
October	.90160	.84750	.88147
November	.88000	.88000	.88000
December	.88000	.88000	.88000
Calendar year 1951	.90160	.80000	.89368
1952			
January	.88000	.88000	.88000
February	.88000	.88000	.88000
March	.88000	.88000	.88000
April	.88000	.88000	.88000
May	.88000	.82750	.85405
June	.82750	.82750	.82750
Fiscal year 1952	.90160	.82750	.87899

¹ Changes in price:

	1951		1952
\$0.80	Opening	\$0.87	May 6
No quotation	Jan. 5	\$0.86	May 13
\$0.9016	Jan. 8	\$0.85	May 15
\$0.8775	June 7	\$0.84	May 16
\$0.9016	June 28	\$0.8275	May 28
\$0.8475	Oct. 4		
\$0.88	Oct. 5		

No. 34.—*Price of silver in London, 1951-52* ¹

Year and month	London spot price per ounce 0.999 fine ²			Average monthly pound sterling exchange New York on London ³	United States equivalent of average monthly London price per ounce 0.999 fine
	Highest	Lowest	Average		
1951	<i>Pence</i>	<i>Pence</i>	<i>Pence</i>	<i>Dollars</i>	<i>Dollars</i>
January.....	78½	70	76.5682	2.7997	0.8932
February.....	78½	78½	78.5000	2.8007	.9161
March.....	78½	78½	78.5000	2.8007	.9161
April.....	78½	78½	78.5000	2.8007	.9161
May.....	78½	78½	78.5000	2.8006	.9160
June.....	78½	76½	77.0714	2.8007	.8994
July.....	78½	78½	78.5000	2.8002	.9159
August.....	78½	78½	78.5000	2.7988	.9154
September.....	78½	78½	78.5000	2.7988	.9154
October.....	78½	74	77.1304	2.7994	.8997
November.....	77	77	77.0000	2.8005	.8985
December.....	77	77	77.0000	2.7949	.8967
Calendar year 1951.....	78½	70	77.8558	2.7996	.9082
1952					
January.....	77	77	77.0000	2.7815	.8924
February.....	77	77	77.0000	2.7812	.8923
March.....	77	77	77.0000	2.7967	.8973
April.....	77	77	77.0000	2.8079	.9009
May.....	77	72½	74.7614	2.8007	.8724
June.....	72½	72½	72.5000	2.7846	.8412
Fiscal year 1952.....	78½	72½	76.8243	2.7954	.8948

¹ Changes in price:

<i>Pence</i>	1951	<i>Pence</i>	1952
70.....	Opening	76.....	May 7
78.5.....	Jan. 9	75.75.....	May 12
76.5.....	June 8	76.....	May 13
78.5.....	June 29	75.....	May 14
74.....	Oct. 5	74.....	May 16
77.....	Oct. 8	73.5.....	May 19
		72.5.....	May 29

² Bullion quotations in the London market changed from 0.925 fine to 0.999 fine on Jan. 2, 1945.³ Averages of certified noon buying rates in New York for cable transfers.

No. 35.—*Highest, lowest, and average price of silver per fine ounce in New York since 1874*¹

Calendar year	Quotations			Calendar year	Quotations		
	Highest	Lowest	Average		Highest	Lowest	Average
1874.....	\$1. 29375	\$1. 25500	\$1. 27195	1913.....	\$0. 65125	\$0. 58000	\$0. 61241
1875.....	1. 26125	1. 21000	1. 23883	1914.....	. 60875	. 49000	. 56331
1876.....	1. 26000	1. 03500	1. 14950	1915.....	. 58000	. 47750	. 51062
1877.....	1. 26000	1. 16000	1. 19408	1916.....	. 79125	. 57250	. 67151
1878.....	1. 20750	1. 08500	1. 15429	1917.....	1. 16500	. 73125	. 84000
1879.....	1. 16750	1. 06500	1. 12088	1918.....	1. 01937	. 88937	. 98445
1880.....	1. 15000	1. 11250	1. 13931	1919.....	1. 38250	1. 01375	1. 12087
1881.....	1. 14500	1. 11000	1. 12823	1920.....	1. 37875	. 60375	1. 01940
1882.....	1. 15000	1. 09000	1. 13855	1921.....	. 73813	. 53188	. 63096
1883.....	1. 11750	1. 09500	1. 10874	1922.....	. 74188	. 62875	. 67934
1884.....	1. 13250	1. 08000	1. 11161	1923.....	. 69000	. 62875	. 65239
1885.....	1. 09500	1. 02750	1. 06428	1924.....	. 72375	. 63000	. 67111
1886.....	1. 03500	. 92500	. 99880	1925.....	. 73187	. 66812	. 69406
1887.....	1. 03500	. 95000	. 97899	1926.....	. 68937	. 51812	. 62428
1888.....	. 97750	. 92000	. 94300	1927.....	. 60312	. 54187	. 56680
1889.....	. 97250	. 92500	. 93034	1928.....	. 63937	. 56812	. 58488
1890.....	1. 20500	. 95750	1. 05329	1929.....	. 57812	. 46812	. 53306
1891.....	1. 07500	. 94750	. 99033	1930.....	. 47187	. 31062	. 38466
1892.....	. 95250	. 83000	. 87552	1931.....	. 37562	. 26062	. 29013
1893.....	. 85000	. 65000	. 78219	1932.....	. 31312	. 24562	. 28204
1894.....	. 70000	. 59500	. 64043	1933.....	. 45312	. 24812	. 34997
1895.....	. 69000	. 60000	. 66268	1934.....	. 56062	. 42062	. 48283
1896.....	. 70250	. 65625	. 68195	1935.....	. 81312	. 50062	. 64582
1897.....	. 66125	. 52750	. 60774	1936.....	. 50062	. 45062	. 45399
1898.....	. 62250	. 55125	. 59064	1937.....	. 47062	. 45062	. 45195
1899.....	. 64750	. 58625	. 60507	1938.....	. 45062	. 43062	. 43537
1900.....	. 65750	. 59750	. 62065	1939.....	. 43062	. 35062	. 39395
1901.....	. 64500	. 54750	. 59703	1940.....	. 35937	. 35062	. 35085
1902.....	. 56875	. 47375	. 52815	1941.....	. 35437	. 35062	. 35095
1903.....	. 62375	. 47500	. 54208	1942.....	. 45062	. 35437	. 38645
1904.....	. 62500	. 53375	. 57843	1943.....	. 45062	. 45062	. 45062
1905.....	. 66500	. 55625	. 61008	1944.....	. 45062	. 45062	. 45062
1906.....	. 72375	. 63125	. 67379	1945.....	. 70750	. 44750	. 51928
1907.....	. 71000	. 52750	. 65978	1946.....	. 90125	. 70750	. 80151
1908.....	. 58875	. 48250	. 53496	1947.....	. 86250	. 59750	. 71820
1909.....	. 54500	. 50750	. 52163	1948.....	. 77500	. 70000	. 74361
1910.....	. 57625	. 50750	. 54245	1949.....	. 73250	. 70000	. 71930
1911.....	. 57500	. 52125	. 54002	1950.....	. 80000	. 71750	. 74169
1912.....	. 65625	. 55250	. 62006	1951.....	. 90160	. 80000	. 89368

¹ Quotations are asked prices 1874–1917; mean of bid and asked prices 1918–1944; “official” prices 1945 and thereafter.

No. 36.—*Bullion value of the silver dollar [371¼ grains of pure silver] at the annual average price of silver each calendar year since 1837*¹

Year	Value	Year	Value	Year	Value	Year	Value	Year	Value
1837.....	\$1. 009	1860.....	\$1. 045	1883.....	\$0. 85754	1906.....	\$0. 52353	1929.....	\$0. 41229
1838.....	1. 008	1861.....	1. 031	1884.....	. 85904	1907.....	. 51164	1930.....	. 29751
1839.....	1. 023	1862.....	1. 041	1885.....	. 82379	1908.....	. 41371	1931.....	. 22440
1840.....	1. 023	1863.....	1. 040	1886.....	. 76931	1909.....	. 40231	1932.....	. 21814
1841.....	1. 018	1864.....	1. 040	1887.....	. 75755	1910.....	. 41825	1933.....	. 27068
1842.....	1. 007	1865.....	1. 035	1888.....	. 72683	1911.....	. 41709	1934.....	. 37344
1843.....	1. 003	1866.....	1. 036	1889.....	. 72325	1912.....	. 47543	1935.....	. 49950
1844.....	1. 008	1867.....	1. 027	1890.....	. 80927	1913.....	. 46760	1936.....	. 35113
1845.....	1. 004	1868.....	1. 025	1891.....	. 76416	1914.....	. 42780	1937.....	. 34956
1846.....	1. 005	1869.....	1. 024	1892.....	. 67401	1915.....	. 40135	1938.....	. 33673
1847.....	1. 011	1870.....	1. 027	1893.....	. 60351	1916.....	. 53094	1939.....	. 30470
1848.....	1. 008	1871.....	1. 025	1894.....	. 49097	1917.....	. 69242	1940.....	. 27136
1849.....	1. 013	1872.....	1. 022	1895.....	. 50587	1918.....	. 76142	1941.....	. 27144
1850.....	1. 018	1873.....	1. 00368	1896.....	. 52257	1919.....	. 86692	1942.....	. 29889
1851.....	1. 034	1874.....	. 98909	1897.....	. 46745	1920.....	. 78844	1943.....	. 34853
1852.....	1. 025	1875.....	. 96086	1898.....	. 45640	1921.....	. 48801	1944.....	. 34853
1853.....	1. 042	1876.....	. 90039	1899.....	. 46525	1922.....	. 52543	1945.....	. 40163
1854.....	1. 042	1877.....	. 92958	1900.....	. 47958	1923.....	. 50458	1946.....	. 61992
1855.....	1. 039	1878.....	. 89222	1901.....	. 46093	1924.....	. 51906	1947.....	. 55548
1856.....	1. 039	1879.....	. 86928	1902.....	. 40835	1925.....	. 53681	1948.....	. 57514
1857.....	1. 046	1880.....	. 88564	1903.....	. 41960	1926.....	. 48284	1949.....	. 55689
1858.....	1. 039	1881.....	. 87575	1904.....	. 44763	1927.....	. 43838	1950.....	. 57423
1859.....	1. 052	1882.....	. 87833	1905.....	. 47200	1928.....	. 45237	1951.....	. 69189

¹ Based upon asked prices through 1917; mean of bid and asked prices 1918–44; New York “official” prices 1945 and thereafter.

No. 37.—Average commercial ratio of silver to gold each calendar year since 1837 ¹

Year	Ratio	Year	Ratio	Year	Ratio	Year	Ratio	Year	Ratio
1837	15.83	1860	15.29	1883	18.64	1906	30.54	1929	38.78
1838	15.85	1861	15.50	1884	18.61	1907	31.24	1930	53.74
1839	15.62	1862	15.35	1885	19.41	1908	38.64	1931	71.25
1840	15.62	1863	15.37	1886	20.78	1909	39.74	1932	73.29
1841	15.70	1864	15.37	1887	21.10	1910	38.22	1933	59.06
1842	15.87	1865	15.44	1888	22.00	1911	38.33	1934	72.49
1843	15.93	1866	15.43	1889	22.10	1912	33.62	1935	54.19
1844	15.85	1867	15.57	1890	19.75	1913	34.19	1936	77.09
1845	15.92	1868	15.59	1891	20.92	1914	37.37	1937	77.44
1846	15.90	1869	15.60	1892	23.72	1915	40.48	1938	80.39
1847	15.80	1870	15.57	1893	26.49	1916	30.78	1939	88.84
1848	15.85	1871	15.57	1894	32.56	1917	24.61	1940	99.76
1849	15.78	1872	15.63	1895	31.60	1918	21.00	1941	99.73
1850	15.70	1873	15.93	1896	30.59	1919	18.44	1942	90.57
1851	15.46	1874	16.16	1897	34.20	1920	20.28	1943	77.67
1852	15.59	1875	16.64	1898	35.03	1921	32.76	1944	77.67
1853	15.33	1876	17.75	1899	34.36	1922	30.43	1945	67.40
1854	15.33	1877	17.20	1900	33.33	1923	31.69	1946	43.67
1855	15.38	1878	17.92	1901	34.68	1924	30.80	1947	48.73
1856	15.38	1879	18.39	1902	39.15	1925	29.78	1948	47.07
1857	15.27	1880	18.05	1903	38.10	1926	33.11	1949	48.61
1858	15.38	1881	18.25	1904	35.70	1927	36.47	1950	47.14
1859	15.19	1882	18.20	1905	33.87	1928	35.34	1951	39.12

¹ For ratios from 1687-1836, see p. 91 of the 1944 Annual Report. Ratios shown above from 1837-1878 inclusive are from Pixley and Abell's tables. Ratios since 1878 are based upon the price of gold at \$20.67+ per fine ounce until 1934 and at \$35 per fine ounce thereafter; and upon the prices of silver as shown in the preceding table titled "Highest, lowest, and average price of silver per fine ounce in New York since 1874."

No. 38.—Summary of total United States exports and imports of gold and silver during the fiscal year 1952 ¹

Description	Gold		Silver	
	Exports	Imports	Exports	Imports
Ore and base bullion	\$689,058	\$24,084,779	\$58	\$27,612,605
Refined bullion	99,603,312	613,499,101	2,498,410	35,198,418
United States coin		400	141,550	3,890,519
Foreign coin	28,876,334	88,209	2,473,824	1,144,640
Total	129,168,704	637,672,489	5,113,842	67,846,182

¹Data compiled by the U. S. Department of Commerce, Bureau of the Census, Foreign Trade Division

WORLD MONETARY STATISTICS

The statistics of foreign countries on coinage systems, production, consumption, and stocks of gold and silver, published annually in the reports of the Director of the United States Mint, are obtained, so far as practicable, directly from the governments of such countries by the representatives of the United States accredited to them.

Interrogatories covering the points on which information is sought are sent yearly to the United States Ambassadors and Ministers through the Department of State, and the completed reports are forwarded directly to the Director of the Mint.

Information submitted to the interrogatories in general is published herein as received, with the addition of equivalents. In the absence of official returns the most reliable data available are used in the compilations, all of which are subject to revision.

Tables include the following:

1. Gold and silver monetary stocks of principal countries of the world at end of calendar year 1951.
2. Coinage mints of the world.
3. Coinage of nations during the year ended December 31, 1950. (Australia, Colombia, and Norway. See previous year's Report for other countries.)
4. Coinage of nations during the year ended December 31, 1951.
5. Consumption of metals in 1950 coinage of nations.
6. Consumption of metals in 1951 coinage of nations.
7. Silver coins withdrawn from active circulation in various countries of the world during 1950 and 1951.
8. Secondary gold and silver deposited with the monetary authority in specified countries of the world during 1950 and 1951.
9. Estimated quantity of gold and silver issued for use or used in the industrial arts in various countries of the world during 1950 and 1951.
10. Characteristics of coins in circulation.
11. World production of gold, 1947-51, by countries, in fine ounces (compiled by the Bureau of Mines, U. S. Department of the Interior).
12. World production of silver, 1947-51, by countries, in fine ounces (compiled by the Bureau of Mines, U. S. Department of the Interior).

Gold and silver monetary stocks of principal countries of the world at end of calendar year 1951 ¹

Country	Monetary unit	Exchange rate, average for December 1951 ²	Gold bullion and coin held by Government agencies	Silver bullion and coin—United States dollar value				
			Number of fine troy ounces (000 omitted)	United States dollar value (000 omitted)	Bullion held by Govern- ment agencies (000 omitted)	Coin held by Government agencies (000 omitted)	Coin (esti- mated) in circulation, including coin in commercial banks (000 omitted)	Total silver (000 omitted) ³
1. United States.....	Dollar.....	\$1. 00000	4 653,512	4 \$22,872,908	5 \$2,155,485	\$302,639	\$1,274,364	\$3,732,489
2. Afghanistan.....	Afghani.....	.04762	1,140	39,902	9,143			9,143
3. Algeria and Tunisia.....	Franc.....	.00286	168	5,892				
4. Australia.....	Pound.....	2. 22610	3,213	112,460	7,209	3,299	66,536	77,044
5. Austria.....	Schilling.....	.04682	1,424	49,853				
6. Belgian Congo.....	Franc.....	.02000	933	32,672		703	298	1,000
7. Belgium.....	do.....	.01984	18,155	635,419	1,755	4,621	49,143	55,519
8. Bolivia.....	Boliviano.....	.01650	653	22,840		36		36
9. Brazil.....	Cruzeiro.....	.05441	9,053	316,843				
10. British East Africa ⁶	Shilling.....	.14000				1,634	14,010	15,644
11. British Guiana.....	Dollar.....	.58333					1,274	1,274
12. British Honduras.....	do.....	.70000					105	105
13. British West Africa.....	Pound.....	2. 80000				29	2,496	2,525
14. British West Indies: Barbados.....	Dollar.....	.58333					275	275
15. Canada.....	do.....	.97410	7 24,309	7 850,800	1,300	8 365	76,586	78,250
16. Chile.....	Peso.....	.03226	1,291	45,182		1,032	6,547	7,579
17. Colombia.....	do.....	.51283	1,366	47,822				
18. Costa Rica.....	Colon.....	.17809	59	2,056				
19. Cuba.....	Peso.....	1. 00000	8,873	310,564				
20. Cyprus.....	Pound.....	2. 80000						
21. Denmark.....	Krone.....	.14492	898	31,415				
22. Dominican Republic.....	Peso.....	1. 00000	345	12,066		97	1,503	1,600
23. Ecuador.....	Sucre.....	.06667	639	22,375	191	794	1,018	1,003
24. Egypt and Anglo-Egyptian Sudan.....	Pound.....	2. 87156	4,968	173,880		101	15,509	15,610
25. El Salvador.....	Colon.....	.40000	735	25,711		12 52	12 1,418	12 1,470
26. Ethiopia.....	Dollar.....	.40250	115	4,025	5,992	1,487	8,662	16,141
27. Fiji.....	Pound.....	2. 52252				76	520	596
28. Finland.....	Markka.....	.00435	754	26,397	98		98	98
29. France.....	Franc.....	.00286	13 15,646	13 547,616	3,061			3,061
30. French Morocco.....	do.....	.00286	387	13,534	708			708

31. Germany (Federal Republic)	Deutsche mark	2338	788	27,567	4,795	4,795
32. Greece	Drachma	.0007	105	3,688	34	3,024
33. Guatemala	Quetzal	1.0000	778	27,228	12 23	3,099
34. Haiti	Gourde	.2000	76	2,649	12 6,522	12 53
35. Honduras	Lempira	.5000	3	109		12 7,701
36. Iceland	Krona	.06140	29	1,015		(14)
37. India	Rupce	.20861	7,066	247,298	(14)	3,835
38. Indonesia 16	Ru biah	.02625	8,332	291,612	(16)	5,885
39. Iran 17	Rial	.03101	3,958	138,515	2	2,988
40. Iraq	Dinar	2.80000				6,003
41. Ireland	Pound	2.80330	500	17,511		(14)
42. Italy	Lira	.00160	9,583	335,404		322
43. Lebanon	Pound	.45631	743	26,000		340
44. Luxembourg	Franc	.02000	86	3,007		7,655
45. Malaya	Dollar	.32330			106	54,675
46. Mexico	Peso	.11567	5,946	208,115	31	18,405
47. Nepal	Rupce	.18000	82	2,884	4,291	39,395
48. Netherlands	Guilder	.29287	9,438	330,335	1,302	(14)
49. Netherlands Antilles	do	.53026	559	19,575	172	358
50. Netherlands Guiana (Surinam)	do	.53026	168	5,884	830	530
51. New Zealand	Pound	2.76720	901	31,520	1,541	830
52. Nicaragua	Cordoba	.20000	79	2,757	27	11 15,615
53. Norway	Krone	.14015	1,429	50,013		103
54. Pakistan	Rupce	.32225	776	27,175	12 124	
55. Panama	Balboa	1.00000	(13)	10		
56. Paraguay	Guarani	.16667	6	198		
57. Peru	Sol	.06194	1,308	45,774	(15)	50,553
58. Philippines	Peso	.49643	192	6,710	9,845	(14)
59. Portugal	Eseudo	.03173	7,559	264,578	(14)	1,207
60. Portuguese East Africa (Mozambique)	do	.03173	490	17,148		20 1,750
61. Southern Rhodesia	Pound	2.79190			(14)	7,308
62. Spain 21	Peseta	.09133	1,444	50,541	1,635	42,660
63. Sweden	Krona	.19327	4,335	151,741	7,328	44,345
64. Switzerland	Franc	.22900	41,473	1,451,561	1,821	73,498
65. Syria	Pound	.45631	343	12,000	1,814	4,940
66. Thailand	Baht	.03000	3,241	113,424	(14)	(14)
67. Turkey	Lira	.35714	4,307	150,760	3,359	16,761
68. Union of South Africa	Pound	2.77790	5,433	190,138	510	29,385
69. United Kingdom	do	2.79490	(22)	(22)	6,476	240,361
70. Uruguay	Peso	.65833	6,326	221,424	8,162	5,799
71. Venezuela	Bolivar	.29851	23 10,653	23 372,844	8,935	11,962
72. Other countries 24			80,257	2,809,000		43,208

See footnotes at end of table.

Country	Monetary unit	Exchange rate, average for December 1951 ²	Gold bullion and coin held by Government agencies		Silver bullion and coin—United States dollar value			
			Number of fine troy ounces (000 omitted)	United States dollar value (000 omitted)	Bullion held by Government agencies (000 omitted)	Coin held by Government agencies (000 omitted)	Coin (estimated) in circulation, including coin in commercial banks (000 omitted)	Total silver (000 omitted) ³
73. Bank for International Settlements			3,272	\$114,530				
74. European Payments Union			2,866	100,300				
75. International Monetary Fund			43,716	1,530,069				
76. Total ²⁵			1,017,282	35,604,843	\$2,267,857	\$417,383	\$2,087,476	\$4,772,713

¹ Gold is valued on basis of the legal gold content of the United States dollar (symbol \$), which is 15 $\frac{1}{2}$ grains of gold $\frac{9}{10}$ fine. On such basis, the equivalent value of fine gold is as follows: 1 troy ounce equals \$35.00; 1 gram equals \$1.23275986; and 1 kilogram equals \$1,125.275986. Silver, except silver bullion of the United States which is explained in footnote 5, is valued as follows: *Bullion*, at the New York Market average price of silver for December 1951, 88 cents per ounce $\frac{999}{1000}$ fine. On such basis, the equivalent value of fine silver is as follows: 1 troy ounce equals \$0.8808088; 1 gram equals \$0.0283209743; and 1 kilogram equals \$28.3209743. Coin, reported face amount at the average exchange rate for December 1951.

² *Exchange rates*: The peso of the Dominican Republic, the Guatemalan quetzal, the Panamanian balboa, and the Cuban peso are linked to the United States dollar 1 to 1 and the Haitian gourde is fixed at 5 gourdes to the United States dollar. The rate for the Nepalese rupee is approximate, based up on a cross rate with the Indian rupee of 11 $\frac{1}{2}$ Nepalese rupees per 100 Indian rupees. *New York rates* (averages of certified noon buying rates in New York for cable transfers) are shown for the following countries: Argentina, Australia, Belgium, Brazil, Canada, Ceylon, Denmark, Finland, France, Germany, India, Ireland, Malaya, Mexico, Netherlands, New Zealand, Norway, Philippines, Portugal, Portuguese East Africa, Southern Rhodesia, Sweden, Switzerland, Union of South Africa, United Kingdom, and Uruguay. *International Monetary Fund par values of specified member currencies* are shown for the following countries: Barbados, Belgian Congo, British East Africa, British Guiana, British Honduras, British West Africa, Chile, Colombia, Costa Rica, Cyprus, Ecuador, Egypt, El Salvador, Ethiopia, Fiji, Honduras, Iceland, Iran, Iraq, Lebanon, Luxembourg, Netherlands Antilles, Netherlands Guiana (Surinam), Nicaragua, Pakistan, Syria, Turkey, and Venezuela. All other rates shown are based upon domestic rates for United States dollars in the country concerned.

³ Details do not necessarily add to totals due to rounding.

⁴ Total Treasury holdings including Exchange Stabilization Fund.

⁵ Includes bullion held by the Treasury at cost, monetary, and coinage value.

⁶ June 30, 1951.

⁷ Includes holdings of the Foreign Exchange Control Board, the Royal Mint, and the Chartered Banks.

⁸ Includes silver and also a small amount of copper coin held by the Bank of Canada.

⁹ Includes coin and silver peso disks.

¹⁰ United States coins continued to circulate in Cuba during 1951 although the term for legal tender of the United States dollar expired on June 30, 1951, by virtue of Decree 1384 of Apr. 9, 1951.

¹¹ Includes silver and cupronickel coins.

¹² Includes national coins and United States coins which also circulate.

¹³ Holdings of Bank of France. Exchange Stabilization Fund holdings not available for publication.

¹⁴ Data not available for publication.

¹⁵ Mar. 31, 1952.

¹⁶ Silver coins officially withdrawn from circulation as of Dec. 31, 1951.

¹⁷ Mar. 21, 1951.

¹⁸ Less than 500.

¹⁹ Includes holdings of commercial banks. Amount in circulation not available.

²⁰ Coins of Southern Rhodesia also circulate in Northern Rhodesia and Nyasaland.

United Kingdom coins also circulate in Nyasaland.

²¹ Jan. 31, 1952.

²² Included with "Other countries."

²³ Includes central bank holdings. In addition, commercial banks hold approximately \$13,000,000 in gold bullion and coin.

²⁴ Includes estimated official gold holdings of Argentina, Bulgaria, Czechoslovakia, Hungary, Japan, Poland, United Kingdom; and gold not yet distributed by the Tripartite Commission for Restitution of Monetary Gold.

²⁵ Represents added total of items in the table. Total official world gold holdings, excluding the U. S. S. R. for which no information is available, are estimated at approximately \$36,000,000,000.

Coinage mints of the world

[So far as reported to the Director of the United States Mint]

Country	Name of mint	Location
United States	Office of Director of the Mint	Treasury Department, Washington 25, D.C.
Do	Philadelphia Mint	16th and Spring Garden Sts., Philadelphia, Pennsylvania.
Do	Denver Mint	Colfax and Delaware Sts., Denver, Colorado.
Do	San Francisco Mint	Buchanan St. and Duboce Ave., San Francisco, California.
Afghanistan	Royal Afghan Mint	Kabul.
Argentina	Casa de Moneda	Buenos Aires.
Australia	Royal Mint, Melbourne Branch	Melbourne, C. 1, Victoria.
Do	Royal Mint, Perth Branch	Perth, Western Australia.
Austria	Oesterreichisches Hauptmünzamt	Vienna III, Am Heumarkt 1.
Belgium	Administration des Monnaies	Bruxelles.
Bolivia	Casa Nacional Moneda de Potosi	Potosi.
Brazil	Casa da Moeda	Praca da Republica, 173, Rio de Janeiro.
Canada	Royal Canadian Mint	Ottawa, Ontario.
Chile	Casa de Moneda y Especies Valoradas	Quinta Normal, Santiago.
Colombia	Casa de Moneda	Bogota.
Do	do	Medellin.
Denmark	Den Kongelige Mont	Amagerboulevard 115, Copenhagen, S.
Finland	Rahapaja Myntverket	Kanavakatu 4, Helsinki.
France	Commission de Controle de la Circulation Monetaire:	
Do	Monnaie de Paris	11, Quai Conti, Paris 6.
Do	Monnaie de Beaumont-le-Roger	Department of Eure.
Germany	Bayerisches Hauptmünzamt	München, Hofgraben 4.
Do	Württembergisches Münzamt	Stuttgart, Neckarstrasse 19.
Do	Badische Münzverwaltung	Karlsruhe, Stephanienstrasse 28.
Do	Hamburgische Münze	Hamburg-Altona, Goldbachstrasse 9.
Guatemala	Casa Nacional de Moneda	6a. Calle Poniente No. 1, Guatemala City.
Hungary	Hungarian State Mint	Budapest.
India	Indian Government Mint	Bombay.
Do	do	47 Strand Rd., Calcutta. (Coinage operations ceased July 1951.)
Do	do	Alipore (Suburb of Calcutta).
Do	Hyderabad Mint	Hyderabad (Deccan). (Under jurisdiction of Government of India from April 1, 1950).
Iran	Tehran Mint	Tehran.
Italy	Le Zeccche Italiane	Via Principe Umberto, 4, Rome.
Japan	The Mint Agency, Main Office	1 Shinkawasaki-cho, Kita-Ku, Osaka.
Do	Tokyo Mint	1-chome, Nishisugamo, Toshima-ku, Tokyo.
Do	Hiroshima Mint	Itsukaichi-machi, Saheki-gun, Hiroshima.
Do	Kumamoto Branch	1-chome, Shin-minami, Sendan-bata-cho, Kumamoto City, Kumamoto Prefecture. (Refining operations, etc.)
Mexico	Casa de Moneda	Calle del Apartado No. 13, Mexico, D. F.
Nepal	His Majesty's Mint	Kathmandu.
Netherlands	's Rijks Munt	Utrecht, Leidseweg 90.
Norway	Den Kongelige Norske Mynt	Kongsberg.
Pakistan	Pakistan Mint	Baghban Pura, Lahore.
Peru	Casa Nacional de Moneda	Jiron Junin, Lima. (Operated by Banco Central de Reserva del Peru.)
Portugal	Casa da Moeda	Avenida Dr. Antonio Jose de Almeida, Lisbon.
Rumania	Monetaria si Fabrica de Timbre	Strada Fabrica de Chibrituri, 30, Bucharest.
Spain	Fabrica Nacional de Moneda y Timbre	Madrid.
Sweden	Kungl. Mynt-och justeringsverket	Hantverkargatan 5, Postbox 16285, Stockholm 16.
Switzerland	Swiss Federal Mint	Bernastrasse 28, Bern.
Thailand (Siam)	Royal Mint	No. 4 Chao Fah Road, Bangkok.
Turkey	Darphane ve Damga Matbassi Müdürlüğü (Directorate of Mint and Printing House).	Istanbul.
Union of South Africa	South African Mint	P. O. Box 464, 103 Visagie St., Pretoria.
United Kingdom	Royal Mint	London, E. C. 3, England.
Do	Messrs. The Mint, Birmingham, Ltd. (Private mint.)	Birmingham 18, England.
Do	Messrs. Imperial Chemical Industries Ltd., Rynoch Works. (Private mint.)	Witton, Birmingham 6, England.

Coinage of nations during the year ended Dec. 31, 1950

[See previous year's Report for coinage of other countries in 1950]

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country	Composition
✓ Australia	Shilling	7,188,000	<i>Pounds</i> 359,400-0-0	500 silver, 400 copper, 50 nickel, 50 zinc.
	Sixpence	10,272,000	256,800-0-0	Do.
	Threepence	35,632,000	445,400-0-0	Do.
	Penny	36,800,400	153,335-0-0	95.5 copper, 3 tin, 1.5 zinc; and 97 copper, 2.5 zinc, 0.5 tin.
	Halfpence	12,014,400	25,030-0-0	Do.
Total		101,906,800	1,239,965-0-0	
Colombia	20 centavos	1,898,750	<i>Pesos</i> 379,750.00	500 silver, 400 copper, 50 nickel, 50 zinc.
	10 centavos	6,782,500	678,250.00	Do.
	5 centavos	3,166,000	158,300.00	75 copper, 25 nickel.
	2 centavos	2,155,000	43,100.00	95 copper, 5 nickel.
	1 centavo	3,126,610	31,266.10	Do.
Total		17,128,860	1,290,666.10	
Norway	1 krone	9,810,000	<i>Kroner</i> 9,810,000.00	75 copper, 25 nickel.
	25 øre	1,980,000	495,000.00	Do.
	10 øre	2,100,000	210,000.00	Do.
	2 øre	5,790,000	115,800.00	95 copper, 4 tin, 1 zinc.
	1 øre	5,730,000	57,300.00	Do.
Total		25,410,000	10,688,100.00	

Coinage of nations during the year ended Dec. 31, 1951

[So far as reported to the Director of the United States Mint]

[See also tables "Characteristics of coins in circulation"]

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country	Composition
United States	Half dollars	40,694,918	<i>Dollars</i> 20,347,459.00	900 silver, 100 copper.
	Quarter dollars	87,908,402	21,977,100.50	Do.
	Dimes	191,096,602	19,109,660.20	Do.
	5 cents	56,845,500	2,842,275.00	75 copper, 25 nickel.
	1 cent	1,045,998,500	10,459,985.00	95 copper, 5 zinc and tin.
Total		1,422,543,922	74,736,479.70	
Algeria	100 francs	12,105,600	<i>Francs</i> 1,210,560,000.00	75 copper, 25 nickel.
	20 francs	566,400	11,328,000.00	Do.
Total		12,672,000	1,221,888,000.00	
✓ Australia	Florin	12,068,000	<i>Pounds</i> 1,206,800-0-0	500 silver, 400 copper, 50 nickel, 50 zinc.
	Sixpence	21,940,061	548,501-10-6	Do.
	Threepence	33,967,405	424,592-11-3	Do.
	Penny	36,537,600	152,240-0-0	97 copper, 2.5 zinc, 0.5 tin.
	do	8,520,000	35,500-0-0	95.5 copper, 3 tin, 1.5 zinc.
	Halfpenny	20,177,280	42,036-0-0	97 copper, 2.5 zinc, 0.5 tin.
	do	3,000,000	6,250-0-0	95.5 copper, 3 tin, 1.5 zinc.
Total		136,210,346	2,415,920-1-9	

Coinage of nations during the year ended Dec. 31, 1951—Continued

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country	Composition
Austria	2 schillings	4,317,000	<i>Schillings</i> 8,634,000.00	98.5 aluminum, 1.5 magnesium.
	1 schilling	8,120,000	8,120,000.00	Do.
	50 groschen	3,383,000	1,691,500.00	Do.
	20 groschen	4,128,000	825,600.00	91.5 copper, 8.5 aluminum.
	10 groschen	9,616,000	961,600.00	Zinc.
	do	6,014,000	601,400.00	98.5 aluminum, 1.5 magnesium.
	5 groschen	8,060,000	403,000.00	Zinc.
	2 groschen	11,479,000	229,580.00	98.5 aluminum, 1.5 magnesium.
Total		55,117,000	21,466,680.00	
Belgium	100 francs	4,691,000	<i>Francs</i> 469,100,000.00	835 silver, 165 copper.
	50 francs	4,602,000	230,100,000.00	Do.
	20 francs	9,152,500	183,050,000.00	Do.
	1 franc	109,405,000	109,405,000.00	75 copper, 25 nickel.
Total		127,850,500	991,655,000.00	
Bhutan	½ rupee	20,000	<i>Rupees</i> 10,000-0-0	Nickel.
	Single piee	260,000	4,062-8-0	97 copper, 2.5 zinc, 0.5 tin.
Total		280,000	14,062-8-0	
Brazil	1 cruzeiro	3,757,000	<i>Cruzeiros</i> 3,757,000.00	90 copper, 8 aluminum, 2 zinc.
	50 centavos	7,523,000	3,761,500.00	Do.
	20 centavos	14,964,000	2,992,800.00	88 copper, 12 nickel.
	10 centavos	15,561,000	1,556,100.00	Do.
Total		41,805,000	12,067,400.00	
British East Africa	Shilling	6,929,932	<i>Shillings</i> 6,929,932.00	75 copper, 25 nickel.
	10 cents	15,000,000	1,500,000.00	95.5 copper, 3 tin, 1.5 zinc.
	1 cent	2,200,000	22,000.00	Do.
Total		24,129,932	8,451,932.00	
British Honduras	5 cents	150,000	<i>Dollars</i> 7,500.00	79 copper, 20 zinc, 1 nickel.
	1 cent	150,000	1,500.00	95.5 copper, 3 tin, 1.5 zinc.
Total		300,000	9,000.00	
British West Africa	Shilling	25,400,000	<i>Pounds</i> 1,270,000-0-0	79 copper, 20 zinc, 1 nickel.
	Penny	1,200,000	5,000-0-0	75 copper, 25 nickel.
	Halfpenny	3,468,000	7,225-0-0	Do.
Total		30,068,000	1,282,225-0-0	
Burma	½ rupee	540,507	<i>Rupees</i> 270,253-8-0	Nickel.
	¼ rupee	6,122,672	1,530,668-0-0	Do.
	2 annas	7,800,000	975,000-0-0	75 copper, 25 nickel.
	1 anna	7,100,000	443,750-0-0	Do.
Total		21,563,179	3,219,671-8-0	
Canada	1 dollar	411,395	<i>Dollars</i> 411,395.00	800 silver, 200 copper.
	50 cents	2,421,010	1,210,505.00	Do.
	25 cents	8,285,599	2,071,399.75	Do.
	10 cents	15,079,265	1,507,926.50	Do.
	5 cents	8,329,321	416,466.05	Pure nickel.
	do	4,313,410	215,670.50	Steel chrome plated.
	1 cent	80,430,379	804,303.79	98 copper, 1.5 zinc, 0.5 tin.
Total		119,270,379	6,637,666.59	

Coinage of nations during the year ended Dec. 31, 1951—Continued

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country	Composition
Ceylon	50 cents	4,560,000	<i>Dollars</i> 2,280,000.00	79 copper, 20 zinc, 1 nickel.
	25 cents	11,032,000	2,758,000.00	Do.
	10 cents	7,000,000	700,000.00	Do.
	2 cents	5,000,000	100,000.00	Do.
	Total	27,592,000	5,838,000.00	
Chile	1 peso	8,150,000	<i>Pesos</i> 8,150,000.00	95.5 copper, 3 tin, 1.5 zinc.
	20 centavos	14,700,000	2,940,000.00	Do.
	Total	22,850,000	11,090,000.00	
Colombia	20 centavos	7,497,500	<i>Pesos</i> 1,499,500.00	500 silver, 400 copper, 50 nickel, 50 zinc.
	10 centavos	5,185,000	518,500.00	Do.
	5 centavos	435,520	21,776.00	75 copper, 25 nickel.
	2 centavos	100,000	2,000.00	95 copper, 5 nickel.
	1 centavo	2,360,000	23,600.00	Do.
	Total	15,578,020	2,065,376.00	
Costa Rica	5 centimos	3,000,000	<i>Colones</i> 150,000.00	75 copper, 25 nickel.
	Total			
Denmark	2 kroner	1,049,806	<i>Kroner</i> 2,099,612.00	92 copper, 6 aluminum, 2 nickel.
	25 øre	7,443,007	1,860,751.75	75 copper, 25 nickel.
	10 øre	7,934,199	793,419.90	Do.
	5 øre	1,764,014	88,200.70	Zinc.
	2 øre	3,703,526	74,070.52	Do.
	1 øre	3,237,880	32,378.80	Do.
	Total	25,132,432	4,948,433.67	
Dominican Republic	50 centavos	200,000	<i>Pesos</i> 100,000.00	900 silver, 100 copper.
	25 centavos	400,000	100,000.00	Do.
	10 centavos	500,000	50,000.00	Do.
	5 centavos	2,000,000	100,000.00	75 copper, 25 nickel.
	1 centavo	3,000,000	30,000.00	95 copper, 5 zinc and tin.
	Total	6,100,000	380,000.00	
El Salvador	10 centavos	1,000,000	<i>Colones</i> 100,000.00	75 copper, 25 nickel.
	5 centavos	2,000,000	100,000.00	Do.
	1 centavo	10,000,000	100,000.00	95 copper, 5 zinc and tin.
	Total	13,000,000	300,000.00	
Fiji	Halfpenny	115,200	<i>Pounds</i> 240-0-0	75 copper, 25 nickel.
	Total			
Finland	5 markkaa	7,798,000	<i>Markkaa</i> 38,990,000.00	90 copper, 7 zinc, 3 aluminum.
	1 markka	26,004,000	26,004,000.00	Iron.
	Total	33,802,000	64,994,000.00	
France	50 francs	80,458,721	<i>Francs</i> 4,022,936,050.00	91 copper, 9 aluminum.
	20 francs	144,736,790	2,894,735,800.00	Do.
	10 francs	260,555,344	2,605,553,440.00	Do.
	2 francs	12,008	24,016.00	Aluminum.
	1 franc	98,286	98,286.00	Do.
	Total	485,861,149	9,523,347,592.00	

Coinage of nations during the year ended Dec. 31, 1951—Continued

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country	Composition
French Morocco	100 francs	10,000,000	<i>Francs</i> 1,000,000,000.00	720 silver, 280 copper.
	50 francs	1,360,500	68,025,000.00	91 copper, 9 aluminum.
	20 francs	4,461,000	89,220,000.00	Do.
	10 francs	16,225,500	162,255,000.00	Do.
	5 francs	3,519,200	17,596,000.00	Aluminum-magnesium (approximately 95-5).
	2 francs	3,728,000	7,456,000.00	Do.
	1 franc	8,228,000	8,228,000.00	Do.
Total		47,522,200	1,352,780,000.00	
French Oceania	2 francs	500,000	<i>Francs</i> 1,000,000.00	Aluminum-magnesium (approximately 95-5).
	1 franc	1,000,000	1,000,000.00	Do.
	½ franc	400,000	200,000.00	Do.
Total		1,900,000	2,200,000.00	
French West (Occidental) Africa.	1 franc	2,741,000	<i>Francs</i> 2,741,000.00	Aluminum-magnesium (approximately 95-5).
Germany (Federal Republic).	5 Deutsche mark	1,243,533	<i>Deutsche mark</i> 6,217,665.00	625 silver, 375 copper.
	2 Deutsche mark	75,026,312	150,052,624.00	75 copper, 25 nickel.
	1 Deutsche mark	126,384,725	126,384,725.00	Do.
	5 pfennig	2,969,064	1,484,532.00	Do.
	10 pfennig	37,092,357	3,709,235.70	Iron kernel with tombak plating.
	5 pfennig	99,465,030	4,973,251.50	Do.
	2 pfennig	378,162,770	7,563,255.40	95 copper, 4 tin, 1 zinc.
	1 pfennig	110,550,671	1,105,506.71	Iron kernel with copper plating.
Total		830,894,462	301,490,795.31	
Guatemala	25 centavos	12,494	<i>Quetzales</i> 3,123.50	720 silver, 280 copper.
	10 centavos	262,964	26,296.40	Do.
	5 centavos	1,031,500	51,575.00	Do.
	1 centavo	3,586,436	35,864.36	70 copper, 30 zinc.
Total		4,893,394	116,859.26	
Honduras	50 centavos	500,000	<i>Lempiras</i> 250,000.00	900 silver, 100 copper.
	20 centavos	1,500,000	300,000.00	Do.
	10 centavos	1,000,000	100,000.00	75 copper, 25 nickel.
Total		3,000,000	650,000.00	
Hong Kong	50 cents	15,000,000	<i>Dollars</i> 7,500,000.00	75 copper, 25 nickel.
	10 cents	5,000,000	500,000.00	79 copper, 20 zinc, 1 nickel.
Total		20,000,000	8,000,000.00	
Iceland	25 aurar	2,000,000	<i>Krónur</i> 500,000.00	75 copper, 25 nickel.
India	<i>National coinage</i>		<i>Rupees</i>	
	1 rupee	4,928,000	4,928,000-0-0	Pure nickel.
	½ rupee	9,239,000	4,619,500-0-0	Do.
	¼ rupee	45,000,000	11,250,000-0-0	Do.
	2 annas	144,000	18,000-0-0	75 copper, 25 nickel.
	1 anna	288,000	18,000-0-0	Do.
	½ anna	72,000	2,250-0-0	Do.
	Single pice	113,126,400	1,767,600-0-0	97 copper, 2.5 zinc, 0.5 tin.
Total		172,797,400	22,603,350-0-0	
Hyderabad State	<i>State coinage</i>		<i>Osmania Sica rupees</i>	
	1 anna	988,000	61,750-0-0	95 copper, 4 tin, 1 zinc.
	2 pice	4,593,600	47,850-0-0	Do.
Total		5,581,600	109,600-0-0	

Coinage of nations during the year ended Dec. 31, 1951—Continued

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country	Composition
Indonesia	10 cents	250,000,000	<i>Florin</i> 25,000,000.00	Aluminum.
	5 cents	200,000,000	10,000,000.00	Do.
	Total	450,000,000	35,000,000.00	
Iran (year ending Mar. 21, 1951).	½ pahlavi	75	<i>Rials</i> 9,987.75	900 gold, 100 silver or copper.
	1 rial	144,496	144,496.00	600 silver, 400 copper.
	Total	144,571	154,483.75	
Iraq	1 fil	3,000,000	<i>Dinars</i> 3,000.00	95.5 copper, 3 tin, 1.5 zinc.
Ireland	Half-crown	245,452	<i>Pounds</i> 30,681-10-0	75 copper, 25 nickel.
	Florin	1,000,000	100,000-0-0	Do.
	Shilling	2,000,000	100,000-0-0	Do.
Total		3,245,452	230,681-10-0	
Jordan	100 fils	919,664	<i>Dinars</i> 91,966.40	75 copper, 25 nickel.
	50 fils	1,400,000	70,000.00	Do.
	20 fils	84,595	1,691.90	Do.
	10 fils	2,200,000	22,000.00	95.5 copper, 3 tin, 1.5 zinc.
	5 fils	2,200,000	11,000.00	Do.
Total		6,804,259	196,658.30	
Libya	2 piastres	1,253,198	<i>Pounds</i> 25,063.960	75 copper, 25 nickel.
	1 piastre	2,030,153	20,301.530	Do.
	5 milliemmes	875,000	4,375.000	95.5 copper, 3 tin, 1.5 zinc.
	2 milliemmes	2,000,000	4,000.000	Do.
	1 millieme	1,600,000	1,600.000	Do.
Total		7,758,351	55,340.490	
Malaya (Federation).	20 cents	10,036,521	<i>Dollars</i> 2,007,304.20	75 copper, 25 nickel.
	10 cents	32,234,180	3,223,418.00	Do.
	5 cents	17,410,713	870,535.65	Do.
Total		59,681,414	6,101,257.85	
Mauritius	1 rupee	1,000,000	<i>Rupees</i> 1,000,000.00	75 copper, 25 nickel.
	½ rupee	568,000	284,000.00	Do.
Total		1,568,000	1,284,000.00	
Mexico	5 pesos	5,158,000	<i>Pesos</i> 25,790,000.00	720 silver, 280 copper.
	50 centavos	3,650,000	1,825,000.00	300 silver, 500 copper, 100 nickel, 100 zinc.
	25 centavos	41,172,000	10,293,000.00	Do.
	20 centavos	11,385,000	2,277,000.00	95 copper, 5 zinc.
	5 centavos	50,758,000	2,537,900.00	Do.
	1 centavo	25,740,000	257,400.00	85 copper, 15 zinc.
Total		137,863,000	42,980,300.00	
Monaco	20 francs	500,000	<i>Francs</i> 10,000,000.00	91 copper, 9 aluminum.
	10 francs	500,000	5,000,000.00	Do.
Total		1,000,000	15,000,000.00	
Muscat	20 baizas	1,000,000	<i>Maria Theresa dollars</i> 100,000.00	75 copper, 25 nickel.
Nepal	Dahal (rupee)	11,235,989	<i>Rupees</i> 11,235,989.00	333.3 silver, 666.7 copper.
	Mohar (half-rupee)	2,073,068	1,036,534.00	Do.
Total		13,309,057	12,272,523.00	

Coinage of nations during the year ended Dec. 31, 1951—Continued

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country	Composition
Netherlands	25 cents	21,200,000	<i>Florin</i> 5,300,000.00	Pure nickel.
	10 cents	42,400,000	4,240,000.00	Do.
	5 cents	16,200,000	810,000.00	95 copper, 4 tin, 1 zinc.
	1 cent	45,800,000	458,000.00	Do.
	Total	125,600,000	10,808,000.00	
New Caledonia	2 francs	1,000,000	<i>Francs</i> 2,000,000.00	Aluminum-magnesium (approximately 95-5).
	1 franc	2,000,000	2,000,000.00	Do.
	½ franc	1,000,000	500,000.00	Do.
	Total	4,000,000	4,500,000.00	
New Zealand	Half-crown	1,205,306	<i>Pounds</i> 150,663-5-0	75 copper, 25 nickel.
	Florin	2,000,000	200,000-0-0	Do.
	Shilling	1,200,000	60,000-0-0	Do.
	Sixpence	1,800,000	45,000-0-0	Do.
	Threepence	3,600,000	45,000-0-0	Do.
	Penny	6,888,000	28,700-0-0	95.5 copper, 3 tin, 1.5 zinc.
	Halfpenny	2,342,400	4,880-0-0	Do.
	Total	19,035,706	534,243-5-0	
Norway	1 krone	9,350,000	<i>Kroner</i> 9,350,000.00	75 copper, 25 nickel.
	25 øre	560,000	140,000.00	Do.
	10 øre	7,600,000	760,000.00	Do.
	5 øre	1,216,000	60,800.00	95 copper, 4 tin, 1 zinc.
	2 øre	4,600,000	92,000.00	Do.
	1 øre	6,290,000	62,900.00	Do.
	Total	29,616,000	10,465,700.00	
Pakistan	¼ rupee	1,600,000	<i>Rupees</i> 400,000-0-0	Pure nickel.
	2 annas	29,948,000	3,743,500-0-0	75 copper, 25 nickel.
	1 anna	40,804,000	2,550,250-0-0	Do.
	½ anna	67,412,000	2,106,625-0-0	Do.
	Single pice	14,044,800	219,450-0-0	97 copper, 2.5 zinc, 0.5 tin.
	Pie pieces	1,478,400	7,700-0-0	Do.
	Total	155,287,200	9,027,525-0-0	
Paraguay	50 centimos	892,500	<i>Guaranies</i> 446,250.00	92 copper, 8 aluminum.
	25 centimos	100,000	25,000.00	Do.
	10 centimos	4,656,000	465,600.00	Do.
	5 centimos	6,111,000	305,550.00	Do.
	1 centimo	1,096,000	10,960.00	Do.
	Total	12,855,500	1,253,360.00	
Peru	100 soles	8,241	<i>Soles</i> 824,100.00	900 gold, 100 copper.
	50 soles	5,292	264,600.00	Do.
	20 soles	9,264	185,280.00	Do.
	1 sol	2,094,343	2,094,343.00	70 copper, 30 zinc.
	½ sol	930,256	465,128.00	Do.
	20 centavos	2,941,395	588,279.00	Do.
	10 centavos	7,324,398	732,439.80	Do.
	5 centavos	8,063,531	403,176.55	Do.
	2 centavos	1,593,044	31,860.88	95 zinc, 5 copper.
	1 centavo	3,288,772	32,887.72	Do.
	Total	26,258,536	5,622,094.95	
Portuguese East Africa (Mozambique).	2½ escudos	8,000,000	<i>Escudos</i> 20,000,000.00	650 silver, 350 copper.
	1 escudo	4,000,000	4,000,000.00	61 copper, 20 zinc, 19 nickel.
	50 centavos	4,000,000	2,000,000.00	80 copper, 20 nickel.
	20 centavos	5,000,000	1,000,000.00	95 copper, 3 zinc, 2 tin.
Total		21,000,000	27,000,000.00	

Coinage of nations during the year ended Dec. 31, 1951—Continued

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country	Composition
Saudi Arabia.....	1 riyal.....	60,000,000	<i>Riyals</i> 60,000,000.00	916 $\frac{2}{3}$ silver, 83 $\frac{1}{3}$ copper.
Seychelles.....	25 cents.....	36,000	<i>Rupees</i> 9,000.00	75 copper, 25 nickel.
Southern Rhodesia.....	Half-crown.....	3,200,000	<i>Pounds</i> 400,000- 0-0	75 copper, 25 nickel.
	Florin.....	1,765,937	176,593-14-0	Do.
	Shilling.....	1,000,000	50,000- 0-0	Do.
	Sixpence.....	2,800,000	70,000- 0-0	Do.
	Threepence.....	5,600,000	70,000- 0-0	Do.
	Penny.....	4,896,000	20,400- 0-0	95.5 copper, 3 tin, 1.5 zinc.
	Halfpenny.....	480,000	1,000- 0-0	Do.
Total.....		19,741,937	787,993-14-0	
Spain.....	1 peseta.....	9,185,000	<i>Pesetas</i> 9,185,000.00	90 copper, 10 aluminum.
	59 centimos.....	9,841,800	4,920,900.00	75 copper, 25 nickel.
Total.....		19,026,800	14,105,900.00	
Sweden ¹	2 kronor.....	2,152,175	<i>Kronor</i> 4,304,350.00	400 silver, 500 copper, 50 nickel, 50 zinc.
	50 öre.....	1,744,450	872,225.00	Do.
	25 öre.....	5,703,760	1,425,940.00	Do.
	10 öre.....	11,924,460	1,192,446.00	Do.
	5 öre.....	8,749,900	437,495.00	95 copper, 4 tin, 1 zinc.
	2 öre.....	553,000	11,060.00	Do.
	do.....	3,043,500	60,870.00	Iron.
	1 öre.....	13,919,700	139,197.00	95 copper, 4 tin, 1 zinc.
Total.....		47,790,945	8,443,583.00	
Switzerland.....	5 francs.....	1,095,625	<i>Francs</i> 5,478,125.00	835 silver, 165 copper.
	50 centimes.....	8,530,300	4,265,150.00	Do.
	20 centimes.....	3,640,000	728,000.00	75 copper, 25 nickel.
	10 centimes.....	3,430,000	343,000.00	Do.
	5 centimes.....	2,141,100	107,055.00	Do.
	2 centimes.....	9,622,300	192,446.00	95 copper, 4 tin, 1 zinc.
	1 centime.....	22,624,000	226,240.00	Do.
Total.....		51,083,325	11,340,016.00	
Syria.....	1 pound (100 piasters). ½ pound (50 piasters). do..... 25 piasters.....	250,000 100,000 1,500,000 2,302,000	<i>Pounds</i> 250,000.00 50,000.00 750,000.00 575,500.00	900 gold, 100 copper. Do. 600 silver, 400 copper. Do.
Total.....		4,152,000	1,625,500.00	
Tunisia.....	100 francs.....	7,563,200	<i>Francs</i> 756,320,000.00	75 copper, 25 nickel.
	50 francs.....	5,000,000	250,000,000.00	Do.
	20 francs.....	8,156,000	163,120,000.00	Do.
Total.....		20,719,200	1,169,440,000.00	
Turkey.....	1 lira (pound).....	1,525,000	<i>Pounds</i> 1,525,000.00	600 silver, 400 copper.
	50 kurus (piasters).....	1,677,000	823,500.00	Do.
	25 kurus.....	7,034,000	1,758,500.00	70 copper, 30 zinc.
	10 kurus.....	10,868,000	1,086,800.00	Do.
	5 kurus.....	16,459,980	822,999.00	Do.
	2½ kurus.....	9,787,000	244,675.00	Do.
	1 kuru.....	8,878,000	88,780.00	Do.
Total.....		56,228,980	6,350,254.00	

¹ Coins minted by Sweden during 1951 were stamped with the year 1950.

Coinage of nations during the year ended Dec. 31, 1951—Continued

Country	Denomination	Number of pieces coined	Nominal value in monetary unit of issuing country	Composition
Union of South Africa. ²	Crown.....	366, 602	<i>Pounds</i> 91, 650-10-0	500 silver, 450 copper, 50 manganese.
	Half-crown.....	785, 111	98, 138-17-6	Do.
	Florin.....	732, 286	73, 228-12-0	Do.
	Shilling.....	2, 011, 622	100, 581- 2-0	Do.
	do.....	395, 335	19, 766-15-0	800 silver, 200 copper.
	Sixpence.....	1, 336, 102	33, 402-11-0	500 silver, 450 copper, 50 manganese.
	do.....	1, 268, 090	31, 702- 5-0	800 silver, 200 copper.
	Threepence.....	5, 309, 101	66, 363-15-3	500 silver, 450 copper, 50 manganese.
	do.....	1, 016, 287	12, 703-11-9	800 silver, 200 copper.
	Penny.....	3, 786, 703	15, 777-18-7	95 copper, 4.5 zinc, 0.5 tin.
	Halfpenny.....	3, 745, 970	7, 804- 2-1	Do.
	Farthing.....	3, 511, 462	3, 657-15-5½	Do.
Total.....		24, 264, 671	554,777-15-7½	
United Kingdom ³	<i>Imperial coins</i>		<i>Pounds</i>	
	Sovereign.....	318, 000	318, 000- 0-0	916.6 gold, 83.3 copper.
	Crown.....	2, 003, 540	500, 885- 0-0	75 copper, 25 nickel.
	Half-crown.....	9, 003, 520	1, 125, 440- 0-0	Do.
	Florin.....	27, 411, 747	2, 741, 174-14-0	Do.
	Shilling.....	20, 918, 104	1, 045, 905- 4-0	Do.
	Sixpence.....	40, 399, 491	1, 009, 987- 5-6	Do.
	Threepence.....	1, 184, 000	14, 800- 0-0	79 copper, 20 zinc, 1 nickel.
	Penny.....	120, 000	500- 0-0	95.5 copper, 3 tin, 1.5 zinc.
	Halfpenny.....	14, 868, 000	30, 975- 0-0	Do.
	Farthing.....	14, 016, 000	14, 600- 0-0	Do.
	<i>Maundy Money</i>			
	Fourpence.....	1, 580	26- 6-8	925 silver, 75 copper.
	Threepence.....	1, 468	18- 7-0	Do.
	Twopence.....	1, 580	13- 3-4	Do.
	Penny.....	1, 480	6- 3-4	Do.
Total.....		130, 248, 510	6, 802, 331- 3-10	
Uruguay.....	5 centesimos.....	1, 800, 000	<i>Pesos</i> 90, 000. 00	95.5 copper, 3 tin, 1.5 zinc.
	2 centesimos.....	1, 500, 000	30, 000. 00	Do.
Total.....		3, 300, 000	120, 000. 00	

² Union of South Africa silver coins of 800 fineness were minted during the first 3 months of 1951 and were struck with 1950 dies. Bronze coins minted during the first 2 months of 1951, consisting of 525,405 pennies, 214,482 halfpennies, and 1,206,516 farthings, were struck with 1950 dies. The 1951 dies were with modified reverse inscriptions.

³ United Kingdom coinage does not include specimen sets consisting of 20,000 pieces each of the following denominations: Half-crown, florin, shilling (£), shilling (S), sixpence, threepence, penny, halfpenny, and farthing.

Consumption of metals in 1950 coinage of nations

[Calculations based upon standard weights and coinage production data as reported to the Director of the United States Mint. Units of weight shown are the fine troy ounce of 480 grains and the short ton of 2,000 avoirdupois pounds]

Country	Total gross weight †		Gold		Silver		Nickel	Copper	Zinc	Tin	Aluminum	Other
	Tons	Ounces	Tons	Ounces	Ounces	Tons	Tons	Tons	Tons	Tons	Tons	Tons
1. United States.....	3,495.2				24,599,537	843.4	17.2	2,510.2	99.6	24.9		
2. Algeria.....	324.5						81.1	243.3				
3. Australia.....	590.8				1,930,201	66.2	6.6	494.2	2 15.8	2 8.0		
4. Austria.....	133.8					0.5		2.1	106.4		24.4	3 0.4
5. Belgium.....	727.5				5,661,418	194.1	123.8	409.6				
6. Bolivia.....	7.9							7.5	.4			
7. Brazil.....	272.0						19.7	241.5	2.2		8.7	
8. British East Africa.....	502.6						101.6	396.7	1.4	2.9		
9. British Honduras.....	.6						(4)	.5	.1	(4)		
10. Burma.....	91.7						45.3	46.4				
11. Canada.....	425.7				3,416,719	117.1	63.3	240.8	3.2	1.1		
12. Chile.....	110.2							105.2	1.7	3.3		
13. Colombia.....	57.1				425,194	14.6	5.6	81.3	1.5			
14. Denmark.....	143.6						27.1	23.2	35.2			
15. Egypt.....	24.3							7.7	.4	.7		
16. El Salvador.....	11.0						1.3	2.8	2.0			
17. Fiji.....	3.5						.2	80.7	.5		2.7	
18. Finland.....	89.6						.3	737.5	6.3		1,080.3	
19. France.....	1,818.1										303.2	
20. French Morocco.....	303.2											
21. French West Africa.....	35.9										35.9	
22. Germany.....	3,524.0						234.3	915.0	2.2	8.9		2,363.5
23. Guatemala.....	15.7				75,279	2.6		9.5	3.6			
24. Hong Kong.....	258.3						2.6	204.0	51.7			
25. India.....	800.6						582.5	214.6	2.6	.9		
26. Iran.....	9.5		942		165,743	5.7		3.8				
27. Iraq.....	5.5							5.3	.1	.2		
28. Ireland.....	34.7						2.4	31.2	.4	.8		
29. Jamaica.....	11.0						.1	8.7	2.2			
30. Japan.....	5,071.9						610.9	2,852.2	1,608.8			
31. Jersey.....	2.5							2.4	(4)	.1		
32. Jordan.....	34.7						6.4	27.8	.1	.3		
33. Madagascar.....	85.6										85.6	
34. Malaya.....	79.9						20.0	59.9				
35. Mauritius.....	32.1						8.0	24.1				
36. Mexico.....	484.3				3,770,678	129.3	49.4	258.3	47.3		.8	
37. Monaco.....	22.6						3.4	18.4				

38. Muscat.....	8.8						2.2	6.6					
39. Netherlands.....	563.7						235.8	311.5		3.3	13.1		
40. New Zealand.....	176.4						26.8	146.5		1.0	2.1		
41. Nicaragua.....	9.4							7.0					
42. Norway.....	122.6						21.1	99.6		.4	1.5		
43. Pakistan.....	709.9						230.5	438.6		.6	.1		
44. Peru.....	124.5	2,709						96.4		27.6	.7		
45. Portugal.....	24.5							23.2		.7	.5		
46. Portuguese East Africa.....	113.4						11.0	78.8		12.3	.8		
47. Portuguese West Africa.....	22.2					321,829		13.6		4.4			
48. Reunion.....	1.0										1.0		
49. Southern Rhodesia.....	55.0						12.5	42.3		.1	.2		
50. Spain.....	363.5						347.4	14.6			1.5		
51. Sweden.....	208.1												
52. Switzerland.....	74.0					951,815	4.1	56.9		4.2	.7		109.6
53. Syria.....	77.2					673,026	9.7	40.8		.1	.3		
54. Thailand.....	117.4					1,530,375		24.7					
55. Tunisia.....	11.2							11.7			105.7		
56. Turkey.....	238.3						2.8	8.4					
57. Union of South Africa.....	118.2							166.8		71.5			
58. United Kingdom.....	1,254.3					616,204		92.5		4.1	.5		
59. Uruguay.....	25.5					3,161	264.2	979.2		5.2	5.6		
60. Vatican City.....	.6							24.3		.4	.8		
		2,105	.1					(4)			(6)	(6)	
Total.....	24,061.4	20,981	.7			44,141,179	1,513.4	13,005.9		2,131.6	184.7	1,544.1	2,473.5

1 Details do not necessarily add to totals due to rounding.
2 Partly estimated.
3 Magnesium.
4 Less than 0.1 ton.

5 Iron.
6 Alloy of aluminum, manganese, and magnesium; proportions not available. Gross weight is included in total.

Consumption of metals in 1951 *coinage of nations*

Calculations based upon standard weights and coinage production data as reported to the Director of the United States Mint. Units of weight shown are the fine troy ounce of 480 grains and the short ton of 2,000 avoirdupois pounds]

Country	Total gross weight ¹		Gold		Silver		Nickel	Copper	Zinc	Tin	Alumi-num	Other
	Tons	Ounces	Tons	Ounces	Tons	Ounces	Tons	Tons	Tons	Tons	Tons	Tons
1. United States.....	5,592.2				1,523.7		78.3	3,810.9	143.4	35.9		
2. Algeria.....	163.6						40.9	122.7				
3. Australia.....	886.0				136.0		13.6	702.9	27.9	5.8		
4. Austria.....	134.9							18.7	59.3		56.1	20.8
5. Belgium.....	719.6				198.1		120.6	400.9	(³)	(³)		
6. Bhutan.....	(³)											
7. Brazil.....	187.9						14.1	166.8	1.4		5.6	
8. British East Africa.....	220.4						14.9	198.3	2.4	4.8		
9. British Honduras.....	1.5						(⁴)	1.4	.1	(⁴)		
10. British West Africa.....	192.5						10.1	150.7	31.7			
11. Burma.....	103.7						43.3	60.4				21.6
12. Canada.....	484.2				107.0		41.6	308.3	4.3	1.4		
13. Ceylon.....	108.0						1.1	85.3	21.6			
14. Chile.....	116.0							110.8	1.7	3.5		
15. Colombia.....	63.1				27.8		3.5	28.9	2.8			
16. Costa Rica.....	3.3						.8	2.4				
17. Denmark.....	109.6						16.1	61.2	31.4		.9	
18. Dominican Republic.....	28.2				6.2		2.8	18.7	.4	.1		
19. El Salvador.....	46.3						4.7	40.2	1.1	.3		
20. Fiji.....	.4						.1	.3				
21. Finland.....	57.8							19.7	1.5		.7	35.8
22. France.....	2,209.5							2,010.5			199.0	
23. French Morocco.....	132.4				19.8			85.4			26.3	1.0
24. French Oceania ⁷	1.5										1.5	1.1
25. French West Africa.....	3.9										3.7	2.2
26. Germany (Federal Republic).....	3,464.0				9.6		339.4	2,311.0	13.5	54.2		736.2
27. Guatemala.....	14.8				2.1			9.1	3.6			
28. Honduras.....	15.3				6.8		1.9	6.5				
29. Hong Kong ⁸	25.0						.3	19.8	5.0			
30. Iceland.....	5.3						1.3	4.0				
31. India ⁹	633.4						268.0	354.5	9.1	1.8		
32. Indonesia.....	755.1				.2						755.1	
33. Iran ¹⁰3		9	(⁴)	4,460			1				
34. Iraq.....	8.3							7.9	.1	.2		
35. Ireland.....	28.8						7.2	21.6				
36. Jordan.....	62.9						6.0	55.1	.6	1.2		
37. Libya.....	(³)						(³)	(³)	(³)	(³)		

38. Malaya	190.2					142.6			
39. Mauritius	16.5					12.4			
40. Mexico	882.0		167.1			646.2	50.8		
41. Monaco	3.9					3.5		.3	
42. Muscat	(3)					(3)			
43. Nepal	149.9					99.9			
44. Netherlands	303.7		50.0			155.3	1.6	6.5	
45. New Caledonia ⁷	3.1								2.9
46. New Zealand	148.8					129.3	1.3	2.6	
47. Norway	131.1					107.3	.4	1.8	
48. Pakistan ¹¹	619.3					467.3	.8	.2	
49. Paraguay	49.6					45.6			4.0
50. Peru	97.9	17,255		0.6		63.9	33.4		
51. Portuguese East Africa	102.5					63.9	7.5	.3	
52. Saudi Arabia	771.4		20.1			64.3			
53. Seychelles	1		707.2			.1			
54. Southern Rhodesia	132.1					106.6	.5	1.1	
55. Spain	78.8					64.4			3.5
56. Sweden	198.0					142.8	4.9	4.4	
57. Switzerland	143.0		30.4			96.7	.7	2.8	
58. Syria	16.8		34.8			6.1			
59. Tunisia	193.6	58,670	8.8	2.0		145.2			
60. Turkey	18.4					12.3	4.9		
61. Union of South Africa	139.6					97.7	3.3	.4	12 2.9
62. United Kingdom	950.6		35.3			739.7	3.8	4.1	
63. Uruguay	15.7	74,864	.1			15.0	.2	.4	
Total	21,936.3	150,798	3,092.3	5.2		14,623.1	477.0	133.8	1,059.6
									810.5

¹ Details do not necessarily add to totals due to rounding.² Magnesium.³ Weights of individual denominations not available.⁴ Less than 0.1 short ton.⁵ Steel, chrome-plated.⁶ Iron.⁷ Does not include 1/5-franc denomination for which weight is not available.⁸ Does not include 50-cent denomination for which weight is not available.⁹ Does not include Hyderabad State coinage for which weights of individual denominations are not available.¹⁰ Year ending Mar. 21, 1951.¹¹ Does not include pie pieces for which weight is not available.¹² Manganese.

Silver coins withdrawn from active circulation in various countries of the world during 1950 and 1951

[So far as reported to the Director of the United States Mint]

Country	1950		1951	
	Nominal value in monetary unit of issuing country	Approximate number of fine ounces of silver contained	Nominal value in monetary unit of issuing country	Approximate number of fine ounces of silver contained
United States.....	2,706,927 dollars.....	1,848,393	2,262,955 dollars.....	1,553,758
Australia.....	595,747 pounds.....	1,983,000	1,022,687 pounds.....	3,405,500
British East Africa.....	22,302,091 shillings.....	1,393,800	(¹).....	(¹)
British West Africa.....	537 pounds.....	2,000	3,200 pounds.....	(¹)
Canada.....	42,792 dollars.....	25,675	55,813 dollars.....	37,400
Colombia.....	(¹).....	(¹)	5,945,177 pesos.....	4,300,692
Cuba ²	18,096,005 pesos.....	13,996,100	24,096,005 pesos.....	18,636,786
Ethiopia.....	400,000 dollars.....	180,834
Fiji.....	12,806 pounds.....	23,200	616 pounds.....	(¹)
Indonesia.....	(³).....	(³)
Jamaica.....	165 pounds sterling.....	(¹)	(¹).....	(¹)
Japan.....	18,102,995 yen.....	6,890,133	(¹).....	(¹)
Malaya.....	969,205 dollars.....	835,415	36,250 dollars.....	31,643
Mexico.....	23,634,998 pesos.....	8,794,034	617,497 pesos.....	130,114
Netherlands.....	18,692,580 florin.....	5,498,478	504,635 florin.....	146,669
New Zealand.....	560,000 pounds.....	65,900
Pakistan ⁴	14,410,319 rupees.....	4,953,545	14,258,663 rupees.....	5,320,019
Portuguese East Africa.....	(¹).....	(¹)	245,120 escudos.....	8,226
Southern Rhodesia.....	55,837 pounds.....	228,700	45,458 pounds.....	128,728
Sweden.....	23,959 kronor.....	3,944	15,899 kronor.....	2,563
Switzerland.....	209,100 francs.....	35,205	200,000 francs.....	30,543
Turkey.....	1,374,406 pounds.....	440,100	(¹).....	(¹)
Union of South Africa.....	804 pounds.....	2,339	84,076 pounds.....	234,885
United Kingdom.....	11,566,175 pounds sterling.....	20,792,003	7,661,372 pounds sterling.....	7,048,866
Total reported.....	67,992,798	41,016,392

¹ Data not available.

² Represents sales of demonetized silver peso coins by the Cuban Government.

³ As of Dec. 31, 1951, Indonesian silver coins of 2½, 1, ½, and ¼ guilder and gold coins of 10 and 5 guildens are being withdrawn.

⁴ Coins of India.

Secondary gold and silver deposited with the monetary authority in specified countries during 1950 and 1951 ¹

[So far as reported to the Director of the United States Mint]

Country	1950		1951	
	Gold	Silver	Gold	Silver
	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>
United States.....	180,565	333,739	171,009	378,961
Australia.....	20,011	101,305	12,294	106,871
Canada.....	20,108	3,472	19,323	3,676
Colombia.....	(²)	(²)	15
Union of South Africa.....	160	17,435	19,760
Total reported.....	220,841	455,951	202,641	509,268

¹ Represents old plate, jewelry, and other old material returned from use in the industrial arts.

² Data not available.

Estimated quantity of gold and silver issued for use or used in the industrial arts in various countries of the world during 1950 and 1951

[So far as reported to the Director of the United States Mint]

Country	1950		1951	
	Gold	Silver	Gold	Silver
	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>
United States.....	2, 795, 593	110, 000, 000	1, 985, 057	105, 000, 000
Australia.....	60, 803	1, 241, 260	63, 643	1, 743, 056
Austria.....	18, 027	126, 365	31, 505	129, 928
Belgium.....	24, 000	1, 900, 000	24, 000	1, 900, 000
Brazil.....	112, 528	¹ 986, 063	115, 871	¹ 1, 235, 328
British Guiana.....	2, 000		4, 685	
Canada.....	150, 000	5, 200, 000	286, 000	4, 421, 000
Ceylon.....	48, 000	140, 000	60, 000	140, 000
Colombia.....	(²)	(²)	25, 000	
Cuba ³	24, 491	46, 429	8, 553	4, 714
El Salvador.....	8, 500	1, 000	9, 933	1, 000
Finland.....	11, 044	320, 119	15, 016	405, 278
France.....	208, 980	1, 286, 030	(²)	10, 407, 195
Germany.....	13, 024	7, 645, 318	9, 793	9, 973, 118
Guatemala.....	800	20, 000	800	20, 000
Honduras.....	1, 500	20, 000	1, 500	25, 000
Japan.....	⁴ 1, 381	⁴ 2, 583	(²)	(²)
Lebanon.....	19, 290		48, 226	
Liberia.....	1, 200	600	(²)	(²)
Luxembourg ⁵	172		58	
Madagascar.....	⁶ 46		(²)	(²)
Mexico.....	2, 681	2, 360, 112		1, 045, 880
Netherlands Antilles.....	255	(²)	145	(²)
Netherlands Guiana.....	2, 347	507	(²)	(²)
New Zealand.....	7, 301		13, 364	
Nicaragua.....	790	285	6, 926	5, 732
Norway.....	(²)	(²)	7, 716	964, 522
Panama (Republic of).....	⁷ 5, 862	(²)	⁷ 2, 128	³ 76
Paraguay.....	1, 608	12, 860	3, 858	13, 503
Peru.....	38, 581	766, 827	48, 226	515, 280
Portugal.....	142, 998	1, 264, 195	(²)	(²)
Spain.....	4, 662	(²)		
Sweden.....	73, 561		69, 831	
Tunisia.....	54, 206	1, 298, 086	54, 279	1, 124, 762
Turkey.....	643, 015		123, 388	501, 552
Union of South Africa.....	17, 386	383, 004	22, 253	377, 947
United Kingdom.....	538, 732	12, 360, 043	718, 381	16, 637, 291
Venezuela ⁶	87, 608		74, 975	
Total reported.....	5, 122, 972	147, 381, 686	3, 837, 110	156, 592, 162

¹ Production plus imports.

² Data not available.

³ Imports.

⁴ Allocations by the Government for industrial use.

⁵ Issued for dental use.

⁶ Sales to jewelers and dentists.

⁷ Net imports.

CHARACTERISTICS OF COINS IN CIRCULATION

CONVERSION FACTORS USED: 1 GRAM=15.43235639 GRAINS. 1 MILLIMETER= 0.039370 INCH. 1 INCH=25.40001 MILLIMETERS

See *Coinage of nations* for coins currently minted

UNITED STATES

[Coins in active eirculation at end of Deeemver 1951]

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in milli-meters	Thiek-ness in milli-meters
1 dollar-----	26.73	900 silver, 100 eopper-----	38.1	2.9
½ dollar (50 cents)-----	12.5	do-----	30.6	2.2
¼ dollar (25 cents)-----	6.25	do-----	24.3	1.7
1/10 dollar (10 cents)-----	2.5	do-----	17.9	1.3
5 cents-----	5	75 eopper, 25 nickel-----	21.2	2
Do-----	5	56 eopper, 35 silver, 9 manganese-----	21.2	2
1 cent-----	3.11	95 eopper, 5 zine and tin-----	19.1	1.6
Do-----	3.11	95 eopper, 5 zine-----	19.1	1.6
Do-----	2.689	Zinc-coated steel-----	19.1	1.6

United States eopper-silver-manganese 5-cent pieee coined Oct. 1942-Dec. 1945, inclusive.
United States copper-zine 1-cent pieec coined 1944-46, inclusive.
United States zine-coated steel 1-cent piece coined only during calendar year 1943.

ADEN

[British East Afriean coins became legal tender in Aden Oct. 1, 1951, replaeing coins of India which had formerly eirculated. Maria Theresa thalers continue to circulate]

AFGHANISTAN

[Coins in aetive eirculation at end of Deeemver 1951]

25 puls-----	7	Cupro-niekel-----	25	-----
Do-----	3	do-----	20	1.2
20 puls-----	6	do-----	26	-----
10 puls-----	6	do-----	24	-----
Do-----	5	do-----	22	-----
Do-----	2.5	do-----	18	1.2
5 puls-----	3	Copper-----	22	-----
Do-----	3	do-----	20	-----
Do-----	3	do-----	17	1.8
3 puls-----	2.5	do-----	16	1.7
2 puls-----	2	do-----	15	1.6

ALGERIA

[Coins in aetive eirculation at end of Deeemver 1951]

100 franes-----	12	75 eopper, 25 niekel-----	30	-----
50 franes-----	8	do-----	27	-----
20 franes-----	5.5	do-----	23	-----

Metropolitan French aluminum coins in 1, 2, and 5 frane denominations also eirculate in Algeria.

ANDORRA

[Spanish money principal circulating medium in Andorra. French money also circulates]

ANGLO-EGYPTIAN SUDAN

[Egyptian coins and United Kingdom florins and shillings (George V only) eirculate in the Sudan]

ARGENTINA

[Coins in active circulation at end of December 1950]*

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
20 centavos.....	4	92 copper, 8 aluminum.....	21	1.3
Do.....	4	75 copper, 25 nickel.....	21	1.3
10 centavos.....	3	92 copper, 8 aluminum.....	19	1.2
Do.....	3	75 copper, 25 nickel.....	19	1.2
5 centavos.....	2	92 copper, 8 aluminum.....	17	1
Do.....	2	75 copper, 25 nickel.....	17	1
2 centavos.....	3½	95 copper, 4 tin, 1 zinc.....	20	1.1
1 centavo.....	2	do.....	16	.9

*Latest available data.

New 5, 10, and 20 centavo coins of nickel alloy authorized by Argentina in 1950 to replace existing aluminum-bronze coins.

AUSTRALIA

[Coins in active circulation at end of December 1951]

Crown.....	28.2759	925 silver, 75 copper.....	38.4	3
Florin.....	11.31036	925 silver, 75 copper; and 500 silver, 400 copper, 50 nickel, 50 zinc.....	28.7	2.1
Shilling.....	5.65518	do.....	23.8	1.8
Sixpence.....	2.82759	do.....	19.4	1.4
Threepence.....	1.41379	do.....	16.1	1
Penny.....	9.44984	95.5 copper, 3.0 tin, 1.5 zinc; and 97 copper, 2.5 zinc, 0.5 tin.....	30.8	2
Halfpenny.....	5.6699	do.....	25.5	1.6

Australian silver coins of 500 fineness first issued July 21, 1947; thicknesses vary slightly from coins of 925 fineness.

Australian coins legal tender in Papua, New Guinea, Norfolk Island, and Nauru.

United Kingdom silver coins of 500 fineness legal tender in Australia; quantity in circulation negligible.

AUSTRIA

[Coins in active circulation at end of December 1951]

2 schillings.....	2.8	98.5 aluminum, 1.5 magnesium.....	28	2
1 schilling.....	2	do.....	25	1.8
50 groschen.....	1.4	do.....	22	1.6
20 groschen.....	4.5	91.5 copper, 8.5 aluminum.....	22	1.7
10 groschen.....	3.5	Zinc.....	21	1.8
Do.....	1.1	98.5 aluminum, 1.5 magnesium.....	20	1.6
5 groschen.....	2.5	Zinc.....	19	1.5
2 groschen.....	.9	98.5 aluminum, 1.5 magnesium.....	18	1.5
1 groschen.....	1.8	Zinc.....	17	1.3
1 reichspfennig.....	1.8	do.....	17	1.3
<i>Trade coins</i>				
4 ducats.....	13.9636	986½ gold, 13½ copper.....	39.5	.8
1 ducat.....	3.4909	do.....	19.75	.8
100 kronen.....	33.8753	900 gold, 100 copper.....	37	2.2
20 kronen.....	6.7751	do.....	21	1.4
20 francs.....	6.4516	do.....	21	1.4
Maria Theresa thaler.....	28.0668	833½ silver, 166½ copper.....	39.5	2.5

BAHAMAS

[United Kingdom coins circulate in the Bahamas]

BAHREIN ISLANDS

[Coins of India circulate in Bahrein Islands]

BARBADOS

[United Kingdom coins circulate in Barbados]

BASUTOLAND

[Coins of Union of South Africa circulate in Basutoland]

BECHUANALAND

[Coins of Union of South Africa and Southern Rhodesia circulate in Bechuanaland]

BELGIAN CONGO

[Coins in active circulation at end of December 1951]

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
50 francs	17.43	600 silver, 400 copper	35	2.3
5 francs	8	66 $\frac{2}{3}$ copper, 33 $\frac{1}{3}$ zinc	27	2
Do	13	86.3 copper, 7.9 zinc, 3.3 nickel, 1.5 aluminum, 1.0 iron	33	2
2 francs (hexagonal)	6	66 $\frac{2}{3}$ copper, 33 $\frac{1}{3}$ zinc	25 $\frac{2}{9}$	1.5
Do	5	do	22	1.5
1 franc	2.5	do	19	1.3
Do	10	75 copper, 25 nickel	28	2
50 centimes	6.5	do	24	1.8
20 centimes	6	do	25	1.5
10 centimes	4	do	22	1.3
5 centimes	2.5	do	19	1

BELGIUM

[Coins in active circulation at end of December 1951]

100 francs	18	835 silver, 165 copper	33	-----
50 francs	12.5	do	30	-----
20 francs	8	do	27	-----
Do	6.4516	900 gold, 100 copper	21	-----
5 francs	12	Pure nickel	31	-----
Do	6	75 copper, 25 nickel	24	-----
2 francs	2.75	Iron	19	-----
1 franc	4	75 copper, 25 nickel	21	-----
Do	4.5	Pure nickel	21.5	-----
Do	4.25	Zinc du commerce	21.5	-----
$\frac{1}{2}$ franc	2.5	Pure nickel	18	-----
25 centimes	6.5	75 copper, 25 nickel	26-4.5	-----
Do	6.5	64 copper, 20 zinc, 16 nickel	26-3.5	-----
Do	6.5	Zinc du commerce	26-3.5	-----
10 centimes	4	75 copper, 25 nickel	22-4	-----
Do	4	Copper, zinc, 15/100 nickel minimum	22-4	-----
Do	4	64 copper, 20 zinc, 16 nickel	22-3	-----
Do	4	Zinc du commerce	22-3	-----
5 centimes	2.5	75 copper, 25 nickel	19-3.5	-----
Do	2.5	Copper, zinc, 15/100 nickel minimum	19-3.5	-----
Do	2.5	64 copper, 20 zinc, 16 nickel	19-2.5	-----
Do	2.5	Zinc du commerce	19-2.5	-----
2 centimes	4	Pure copper	21.5	-----
1 centime	2	do	16.5	-----

Belgian Royal decree of Jan. 18, 1951, demonetized as from Apr. 1, 1951, the following coins: 5-franc, pure nickel coins struck pursuant to provisions of decree of June 27, 1930, and decree of Nov. 10, 1938, as amended by decree of Dec. 5, 1938; 5-franc coins struck pursuant to provisions of order of the Secretary General of the Ministry of Finance of Feb. 24, 1941, and art. II of decree law of Dec. 30, 1946; 2-franc steel coins issued in London during the war by the Belgian National Bank, and recalled by the State pursuant to provisions of decree law of Nov. 21, 1945, as amended by decree of Dec. 30, 1946. See previous reports for description of these coins.

Belgian coins with two diameters are round with round hole in center.

Belgian coins circulate in Luxembourg along with distinctive Luxembourg coins.

BERMUDA

[United Kingdom coins circulate in Bermuda]

BHUTAN

[Coins in active circulation at end of December 1951]

$\frac{1}{2}$ rupee	-----	Nickel	-----	-----
Single piee	-----	97 copper, 2.5 zinc, 0.5 tin	-----	-----

Coins of India also circulate in Bhutan.

BOLIVIA

[Coins in active circulation at end of December 1950]*

Denomination	Gross weight in grains	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
50 centavos.....	5.5	95 copper, 5 zinc.....	24	3
20 centavos.....	3.25	Zinc with impurities.....	21.2	3.5
10 centavos.....	1.75	do.....	17.9	2.5
Do.....	5	75 copper, 25 nickel.....	20	2.5
5 centavos.....	2.5	do.....	25	3.5

*Latest available data.

Minor number of Bolivian 20, 10, and 5 centavo denominations in circulation.

Law of Nov. 27, 1950, changes name of Bolivian currency from "Boliviano" to "Bolivar," and reduces currency ratio 10 bolivianos to 1 bolivar. Small denominations of currency will be replaced by coins. Coins issued previously will retain paying power for value of their issue.

BORNEO

[Malayan coins in circulation in Borneo since 1945]

BRAZIL

[Coins in active circulation at end of December 1951]

2 cruzeiros.....	8	90 copper, 8 aluminum, 2 zinc.....	25	2.2
1 cruzeiro.....	7	do.....	23	2.2
50 centavos.....	5	do.....	21	2
Do.....	5	88 copper, 12 nickel.....	21	2
20 centavos.....	4	90 copper, 8 aluminum, 2 zinc.....	19	2
Do.....	4	88 copper, 12 nickel.....	19	2
10 centavos.....	3	90 copper, 8 aluminum, 2 zinc.....	17	2
Do.....	3	88 copper, 12 nickel.....	17	2

BRITISH CAMEROONS

[British West African coins circulate in the British Cameroons]

BRITISH EAST AFRICA (INCLUDES KENYA, TANGANYIKA, UGANDA, ZANZIBAR, AND SOMALILAND PROTECTORATE)

[Coins in active circulation at end of December 1951]

1 shilling.....	7.7759	250 silver, 700 copper, 50 manganese; also, 75 copper, 25 nickel.....	27.7	1.5
50 cents.....	3.8879	do.....	21	1.3
10 cents.....	9.4496	95.5 copper, 3 tin, 1.5 zinc.....	30.9	1.8
5 cents.....	5.6699	do.....	25.5	1.5
1 cent.....	1.9440	do.....	20.3	.8

Silver coins in process of withdrawal in British East Africa.

Bronze 10- and 5-cent denominations minted prior to 1942 were of different proportions of metals, with weights of 175 and 100 grains respectively, same diameters as present coins but slightly thicker.

BRITISH GUIANA

[Coins in active circulation at end of December 1951]

British Guiana four-pence ("bit").	1.88506	500 silver, 400 copper, 50 nickel, 50 zinc.....	16.5	1.5
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In addition, United Kingdom coins circulate in British Guiana in the following denominations: Crown, half-crown, florin, shilling, sixpence, threepence, penny, and halfpenny.

BRITISH HONDURAS

[Coins in active circulation at end of December 1951]

50 cents.....	11.6205	Silver, 0.925 fineness.....	29.8	-----
25 cents.....	5.8102	do.....	23.2	-----
10 cents.....	2.3241	do.....	18.0	-----
5 cents.....	3.6287	79 copper, 20 zinc, 1 nickel.....	20.3	-----
1 cent.....	5.67	95.5 copper, 3 tin, 1.5 zinc.....	25.5	-----

BRITISH WEST AFRICA (INCLUDES GAMBIA, GOLD COAST, NIGERIA, AND SIERRA LEONE)

[Coins in active circulation at end of December 1951]

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
Florin.....	11.31036	79 copper, 20 zinc, 1 nickel.....	28.5	-----
Shilling.....	5.65518	do.....	23.6	-----
Sixpence.....	3.499	do.....	19.4	-----
Threepence.....	5.184	75 copper, 25 nickel.....	21.5	-----
Penny.....	9.45	do.....	30.9	-----
Halfpenny.....	5.67	do.....	25.5	-----
Tenthpenny.....	1.944	do.....	20.2	-----

Silver coins in process of withdrawal in British West Africa.

BRUNEI

[Malayan coins circulate in Brunei]

BURMA

[Coins in active circulation at end of December 1951]

½ rupee.....	5.832	Nickel.....	24.1	-----
¼ rupee.....	2.916	do.....	19.1	-----
2 annas.....	5.832	75 copper, 25 nickel.....	25.4	-----
1 anna.....	3.888	do.....	22.4	-----
½ anna.....	2.916	do.....	21.0	-----
		do.....	19.8	-----
		do.....	19.8	-----
		do.....	17.4	-----

Burmese coins of ½ and ¼ rupee denominations are round; 2 anna and ½ anna, square with round corners; and 1 anna, scalloped.

Coins of India also legal tender in Burma in 1951.

CANADA (INCLUDING NEWFOUNDLAND)

[Coins in active circulation at end of December 1951]

1 dollar.....	23.3276	925 silver, 75 copper; and 800 silver, 200 copper.....	36	3
50 cents.....	11.6638	do.....	29.6	2.1
25 cents.....	5.8319	do.....	23.6	1.8
10 cents.....	2.3328	do.....	17.8	1.3
5 cents.....	1.1664	do.....	15.5	.6
Do.....	4.5359	Pure nickel.....	21.2	1.9
Do.....	4.5359	88 copper, 12 zinc (Tombac).....	21.3	
Do.....	4.5359	Steel chrome plated.....	21.2	
1 cent.....	3.2399	98 copper, 1.5 zinc, 0.5 tin.....	19.1	1.7

See also *Newfoundland*.

CEYLON

[Coins in active circulation at end of December 1951]

50 cents.....	5.508	79 copper, 20 zinc, 1 nickel.....	24.1	1.9
25 cents.....	2.754	do.....	18	1.5
10 cents (scalloped edge).....	4.212	do.....	(a)	1.4
5 cents (square with round corners).....	3.888	75 copper, 25 nickel.....	(b)	1.6
Do.....	3.888	79 copper, 20 zinc, 1 nickel.....	(b)	1.6
Do.....	3.24	do.....	(b)	1.5
2 cents (scalloped edge).....	2.592	do.....	(c)	1.3
1 cent.....	4.725	95.5 copper, 3 tin, 1.5 zinc.....	22.4	1.7
Do.....	2.362	97 copper, 2.5 zinc, 0.5 tin.....	22.4	.9
½ cent.....	2.362	do.....	18	1.5

a Across scallops, 22.9 mm. Inside scallops, 21 mm.

b Diagonally, 21.5 mm. Across flats, 18.2 mm.

c Across scallops, 18.4 mm. Inside scallops, 17 mm.

CHILE

[Coins in active circulation at end of December 1951]

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
1 peso.....	7.5	95.5 copper, 3 tin, 1.5 zinc.....	25	2
50 centavos.....	4	do.....	20.5	1.7
20 centavos.....	3	do.....	18	1.6

[Coins authorized under law No. 9856 of Dec. 27, 1950]

Condor (10 pesos).....	6	25 nickel, 75 copper and other metals.....	23	-----
Medio condor (5 pesos)...	5	do.....	21	-----
1 peso.....	7.5	95 copper, 5 other metals.....	25	-----
20 centavos.....	3	do.....	18	-----

COLOMBIA

[Coins in active circulation at end of December 1951]

50 centavos.....	12.5	500 silver, 400 copper, 50 nickel, 50 zinc.....	30	1.4
20 centavos.....	5	do.....	23	1.3
10 centavos.....	2.5	do.....	18	1
5 centavos.....	4	75 copper, 25 nickel.....	21	1.3
Do.....	4	95 copper, 5 nickel.....	21	1.3
2 centavos.....	3	75 copper, 25 nickel.....	19	1.2
Do.....	3	95 copper, 5 nickel.....	19	1.2
1 centavo.....	2	75 copper, 25 nickel.....	17	1.1
Do.....	2	95 copper, 5 nickel.....	17	1.1

COSTA RICA

[Coins in active circulation at end of December 1951]

2 colones.....	14	75 copper, 25 nickel.....	32	2
1 colon.....	10	do.....	29	2
50 centimos.....	7	do.....	26	1.7
25 centimos.....	3.45	do.....	23	1.3
10 centimos.....	2	95 copper, 4 zinc, 1 tin.....	18	1.1
5 centimos.....	1	do.....	15	1
Do.....	1	75 copper, 25 nickel.....	15	.9

CUBA

[Coins in active circulation at end of December 1951]

1 peso.....	26.7295	900 silver, 100 copper.....	38.1	2.9
40 centavos.....	10	do.....	29.1	1.8
20 centavos.....	5	do.....	23.2	1.3
10 centavos.....	2.5	do.....	17.9	1.3
5 centavos.....	5	70 copper, 30 zinc; and 75 copper, 25 zinc.....	21.2	1.9
2 centavos.....	3.5	75 copper, 25 zinc.....	19.3	1.6
1 centavo.....	2.3055	70 copper, 30 zinc.....	19	1.5
Do.....	2.5	75 copper, 25 zinc.....	19	1.5

United States coins continued to circulate in Cuba in 1951, although legal tender expired June 30, 1951, by virtue of Decree 1384 of Apr. 9, 1951.

CYPRUS

[Coins in active circulation at end of December 1951]

18 piastres (2 shillings)...	11.31036	925 silver, 75 copper.....	30	-----
Do.....	11.31036	75 copper, 25 nickel.....	28.5	-----
9 piastres (1 shilling)....	5.65518	925 silver, 75 copper.....	-----	-----
Do.....	5.65518	75 copper, 25 nickel.....	23.6	-----
1 piastre.....	5.184	75 copper, 25 nickel; and 95.5 copper, 3 tin, 1.5 zinc.....	23.5	1.5
½ piastre.....	2.592	do.....	19.5	1

Composition of former bronze coins 97 copper, 2.5 zinc, 0.5 tin.

CZECHOSLOVAKIA

[Coins in active circulation at end of December 1950]*

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
100 koruny.....	14	500 silver, 400 copper, 50 nickel, 50 zinc.....	31	-----
50 koruny.....	10	do.....	28	-----
20 koruny.....	12	700 silver, 300 copper.....	34	-----
10 koruny.....	10	do.....	30	-----
2 koruny.....	6	80 copper, 20 nickel.....	23.5	-----
1 koruna.....	4.5	do.....	21	-----
Do.....	1.3	Aluminum.....	21	-----
Do.....	4.5	Zinc.....	23	-----
50 halers.....	3	92 copper, 8 zinc.....	20	-----
20 halers.....	2	do.....	18	-----
10 halers.....	1.6	do.....	16	-----
Do.....	1.866	Zinc.....	17	-----

*Latest available data.

DENMARK

[Coins in active circulation at end of December 1951]

2 kroner.....	13.5	92 copper, 6 aluminum, 2 nickel.....	31.5	2.5
1 krone.....	6.5	do.....	25.5	1.9
25 ore:				
Christian X.....	4.5	75 copper, 25 nickel.....	23	1.7
Do.....	3.6	Zinc.....	23	1.6
Frederik IX.....	4.5	75 copper, 25 nickel.....	23	1.6
10 ore:				
Christain X.....	2.4	Zinc.....	18	1.6
Do.....	3	75 copper, 25 nickel.....	18	1.8
Frederik IX.....	3	do.....	18	1.7
5 ore:				
Christian X.....	7.6	95 copper, 4 tin, 1 zinc.....	27	1.9
Do.....	2.4	Aluminum.....	27	1.8
Do.....	6.4	Zinc.....	27	1.8
Frederik IX.....	6.4	do.....	27	1.8
2 ore:				
Christian X.....	3.8	95 copper, 4 tin, 1 zinc.....	21	1.6
Do.....	1.2	Aluminum.....	21	1.5
Do.....	3.2	Zinc.....	21	1.5
Frederik IX.....	3.2	do.....	21	1.5
1 ore:				
Christian X.....	1.9	95 copper, 4 tin, 1 zinc.....	16	1.3
Do.....	1.6	Zinc.....	16	1.3
Frederik IX.....	1.6	do.....	16	1.3

DOMINICA

[United Kingdom coins circulate in Dominica]

DOMINICAN REPUBLIC

[Coins in active circulation at end of December 1951]

1 peso.....	26.73	900 silver, 100 copper.....	38.1	2.9
½ peso.....	12.5	do.....	30.6	2.2
25 centavos.....	6.25	do.....	24.3	1.7
10 centavos.....	2.5	do.....	17.9	1.3
5 centavos.....	5	75 copper, 25 nickel.....	21.2	2
1 centavo.....	3.11	95 copper, 5 zinc and tin.....	19.1	1.6

ECUADOR

[Coins in active circulation at end of December 1951]

5 sucres.....	25	720 silver, 280 copper.....	37.5	2.9
2 sucres.....	10	do.....	28.8	2
1 sucre.....	5	do.....	23.5	1.6
Do.....	7	Pure nickel.....	26	1.6
20 centavos.....	4	80 copper, 20 zinc.....	21	1.5
Do.....	4	75 copper, 25 nickel.....	21	1.5
10 centavos.....	3	80 copper, 20 zinc.....	19	1.3
Do.....	3	75 copper, 25 nickel.....	19	1.3
5 centavos.....	2	80 copper, 20 zinc.....	17	1
Do.....	2	75 copper, 25 nickel.....	17	1

Minor number of Ecuadorian silver coins in circulation.

EGYPT

[Coins in active circulation at end of December 1951]

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
500 piasters.....	42.5	875 gold, 125 copper.....	40	-----
100 piasters.....	8.5	do.....	23	-----
50 piasters.....	4.25	do.....	20	-----
20 piasters.....	1.7	do.....	14.5	-----
Do.....	28	833 $\frac{1}{4}$ silver, 166 $\frac{3}{4}$ copper.....	40	-----
10 piasters.....	14	do.....	33	-----
5 piasters.....	7	do.....	26	-----
2 piasters.....	2.8	do.....	19	-----
1 piaster.....	1.4	do.....	14.5	-----
10 millimes.....	5.5	75 copper, 25 nickel.....	23	-----
Do.....	6	95 copper, 4 tin, 1 zinc.....	25	-----
5 millimes.....	4	75 copper, 25 nickel.....	21	-----
2 $\frac{1}{2}$ millimes.....	3	do.....	20	-----
2 millimes.....	2.5	do.....	18	-----
1 millieme.....	4.4	95 copper, 4 tin, 1 zinc.....	23	-----
$\frac{1}{2}$ millieme.....	3 $\frac{1}{4}$	do.....	20	-----

EL SALVADOR

[Coins in active circulation at end of December 1951]

25 centavos.....	7.5	900 silver, 100 copper.....	29	-----
10 centavos.....	7	75 copper, 25 nickel.....	26	1.8
5 centavos.....	5	do.....	23	1.3
Do.....	5	70 copper, 18 zinc, 12 nickel.....	23	-----
Do.....	5	12 percent nickel-silver.....	23	-----
3 centavos.....	4	75 copper, 25 nickel.....	20	-----
1 centavo.....	2.5	95 copper, 5 zinc.....	16	-----
Do.....	2.5	75 copper, 25 nickel.....	16	-----
Do.....	2.5	95 copper, 5 zinc and tin.....	16	1.6

United States dimes (1/10 dollar) also circulate as 25-centavo denomination in El Salvador.

ERITREA

[British East African coins circulate in Eritrea]

ETHIOPIA

[Coins in active circulation at end of December 1951]

50 cents.....	7.0307	800 silver, 200 copper; and 700 silver, 300 copper.....	25	2
25 cents.....	6.8039	95 copper, 5 zinc; and 95 copper, 5 zinc and tin.....	26	1.8
10 cents.....	6.0911	do.....	23	2.1
5 cents.....	4.0175	do.....	20	1.8
1 cent.....	2.8511	do.....	17	1.8

FALKLAND ISLANDS

[United Kingdom coins circulate in the Falkland Islands]

FAROE ISLANDS

[Coins in active circulation at end of December 1950]*

25 øre.....	4.5	75 copper, 25 nickel.....	23	-----
10 øre.....	3	do.....	18	-----
5 øre.....	7.6	95.5 copper, 3 tin, 1.5 zinc.....	27	-----
2 øre.....	3.8	do.....	21	-----
1 øre.....	1.9	do.....	16	-----

*Latest available data.

Coins of the Faroe Islands are perforated. Diameters of perforations of denominations listed are 4.6, 3.6, 5.4, 4.2, and 3.2 mm., respectively.

FIJI

[Coins in active circulation at end of December 1951]

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
Florin.....	11. 31036	500 silver, 500 copper.....	28. 6	2. 2
Shilling.....	5. 65518	do.....	23. 9	1. 7
Sixpence.....	2. 82759	do.....	19. 4	1. 3
Threepence (12-sided).....	6. 1559	79 copper, 20 zinc, 1 nickel.....	21. 1	2. 4
Penny.....	6. 4799	75 copper, 25 nickel.....	26. 1	
Halfpenny.....	3. 23995	do.....	21	1. 6

FINLAND

[Coins in active circulation at end of December 1951]

20 markkaa.....	13	92 copper, 6 aluminum, 2 nickel.....	31	2. 3
10 markkaa.....	8	do.....	27	2
5 markkaa.....	4. 5	do.....	23	1. 8
Do.....	4. 55	72 copper, 28 zinc.....	23	1. 8
Do.....	4. 5	90 copper, 7 zinc, 3 aluminum.....	23	1. 8
1 markka.....	4	75 copper, 25 nickel.....	21	1. 5
Do.....	4	Pure copper, or; 95 copper, 4 tin, 1 zinc.....	21	1. 5
Do.....	3. 5	Iron.....	21	1. 5
50 pennia.....	2. 55	75 copper, 25 nickel.....	18. 5	1. 3
Do.....	2. 55	Pure copper, or; 95 copper, 4 tin, 1 zinc.....	18. 5	1. 3
Do.....	2. 25	Iron.....	18. 5	1. 3
25 penniä.....	1. 275	75 copper, 25 nickel.....	16	1
Do.....	1. 125	Iron.....	16	1
10 penniä.....	5	Pure copper, or; 95 copper, 4 tin, 1 zinc.....	22	1 to 1. 5
Do.....	2. 55	do.....	18. 5	1 to 1. 5
Do.....	1. 125	Iron.....	16	
5 penniä.....	2. 5	Pure copper, or; 95 copper, 4 tin, 1 zinc.....	18	1 to 1. 5
Do.....	1. 275	do.....	16	1 to 1. 5
			13	

†Perforation.

FRANCE

[Coins in active circulation at end of December 1951]

50 francs.....	8	91 copper, 9 aluminum.....	27	-----
20 francs.....	4	do.....	23. 5	-----
10 francs.....	7	75 copper, 25 nickel.....	26	-----
Do.....	3	91 copper, 9 aluminum.....	20	-----
5 francs.....	3. 5	Aluminum.....	31	-----
2 francs.....	2. 2	do.....	27	-----
1 franc.....	1. 3	do.....	23	-----

Law no. 50586 of May 27, 1950, authorized the minting of 100 franc denomination silver coin of 720 fineness, characteristics to be determined by the Minister of Finance.

FRENCH CAMEROUN

[Coins in active circulation at end of December 1951]

2 francs.....	2. 2	Aluminum.....	27	-----
1 franc.....	1. 3	do.....	23	-----

FRENCH EQUATORIAL AFRICA

[Coins in active circulation at end of December 1951]

2 francs.....	2. 2	Aluminum.....	27	-----
1 franc.....	1. 3	do.....	23	-----

FRENCH GUADELOUPE

[Metropolitan French coins circulate in French Guadeloupe]

FRENCH GUIANA

[Metropolitan French coins circulate in French Guiana]

FRENCH MARTINIQUE

[Metropolitan French coins circulate in French Martinique]

FRENCH MOROCCO

[Coins in active circulation at end of December 1951]

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
20 francs.....	10	75 copper, 25 nickel.....	30	1.7
10 francs.....	7	do.....	26	1.5
5 francs.....	12	91 copper, 9 aluminum.....	31	2.2
2 francs.....	8	do.....	27	1.3
1 franc.....	4	do.....	22	1.2

FRENCH OCEANIA

[Coins in active circulation at end of December 1951]

2 francs.....	2.2	Aluminum.....	27	-----
1 franc.....	1.3	do.....	23	-----

FRENCH SOMALILAND

[Coins in active circulation at end of December 1951]

5 francs.....	3.5	Aluminum.....	31	-----
2 francs.....	2.2	do.....	27	-----
1 franc.....	1.3	do.....	23	-----

FRENCH WEST (OCCIDENTAL) AFRICA

[Coins in active circulation at end of December 1951]

2 francs.....	2.2	Aluminum.....	27	-----
1 franc.....	1.3	do.....	23	-----

GERMANY (WEST)

[Coins in active circulation at end of December 1951]

2 Deutsche mark.....	7	75 copper, 25 nickel.....	25.5	1.9
1 Deutsche mark.....	5.5	do.....	23.5	1.8
50 pfennig.....	3.5	do.....	20	1.6
10 pfennig.....	4	Iron kernel with 5 percent copper-zinc plating.	21.5	1.7
5 pfennig.....	3	do.....	18.5	1.7
2 pfennig.....	3.25	95 copper, 4 tin, 1 zinc.....	19.3	1.5
1 pfennig.....	2	Iron kernel with 5 percent copper plating.....	16.5	1.4

GIBRALTAR

[United Kingdom coins circulate in Gibraltar]

GREENLAND

[Coins in active circulation at end of December 1951]

5 kroner.....	13.25	70 copper, 30 zinc.....	31	2.4
1 krone.....	7.5	92 copper, 6 aluminum, 2 nickel.....	28.2	1.6
50 ører.....	3.75	do.....	22	1.9
25 ører.....	7	75 copper, 25 nickel.....	25	2

In addition, 1 øre, 2, 5, and 10 ører coins of Denmark circulate in Greenland.

GRENADA

[United Kingdom coins circulate in Grenada]

GUATEMALA

[Coins in active circulation at end of December 1951]

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
25 centavos.....	8½	720 silver, 280 copper.....	27	1.3
10 centavos.....	3½	do.....	21	.8
5 centavos.....	1¾	do.....	16	.7
2 centavos.....	6	70 copper, 30 zinc.....	25.5	1.6
1 centavo.....	3	do.....	21	1
½ centavo.....	1½	do.....	16	.7

GUERNSEY

[Coins in active circulation at end of December 1950]*

8 doubles.....	9.7198	95 copper, 4 tin, 1 zinc.....	31.6	-----
4 doubles.....	4.8599	do.....	26.4	-----

*Latest available data.

United Kingdom coins also circulate in Guernsey.

HAITI

[Coins in active circulation at end of December 1951]

50 centimes.....	9.88	75 copper, 25 nickel.....	29	1.9
20 centimes.....	7.55	do.....	26	1.8
10 centimes.....	4	do.....	22	1.3
5 centimes.....	2.65	do.....	20	1.1

United States coins also circulate in Haiti.

HONDURAS

[Coins in active circulation at end of December 1951]

1 lempira.....	12.5	900 silver, 100 copper.....	31	2
50 centavos.....	6.25	do.....	24	1.7
20 centavos.....	2.5	do.....	18	1.4
10 centavos.....	7	75 copper, 25 nickel.....	26	1.9
5 centavos.....	5	do.....	21	1.9
2 centavos.....	3	95 copper, 5 zinc and tin.....	20	1.4
1 centavo.....	2	do.....	15	1.7

United States coins also circulate in Honduras.

HONG KONG

[Coins in active circulation at end of December 1951]

50 cents.....	-----	75 copper, 25 nickel.....	-----	-----
10 cents.....	4.5359	79 copper, 20 zinc, 1 nickel.....	20.6	-----
5 cents.....	2.5920	do.....	16.5	-----

HUNGARY

[Coins in active circulation at end of December 1949]*

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
20 forints (centenary)-----	28	500 silver, 500 copper-----	40	2.3
10 forints (centenary)-----	20	do-----	36	2.2
5 forints I-----	20	835 silver, 165 copper-----	32	2.3
5 forints II, III-----	12	500 silver, 500 copper-----	32	1.6
2 forints-----	2.8	Aluminum-----	28	1.8
1 forint-----	1.5	do-----	23.7	1.3
50 fillér-----	1.4	do-----	22.5	1.3
20 fillér-----	4	96 copper, 4 aluminum-----	21	1.3
10 fillér-----	3	do-----	19.4	1.4
5 fillér-----	0.6	Aluminum-----	17.5	1
2 fillér-----	3	90 copper, 10 zinc-----	17	1.6

*Latest available data.

ICELAND

[Coins in active circulation at end of December 1951]

2 kronur-----	9.5	92 copper, 6 aluminum, 2 nickel-----	28	2
1 krona-----	4.75	do-----	22.5	1.5
25 aurar-----	2.4	75 copper, 25 nickel-----	17	1.3
Do-----	2	Zinc-----	17	1.3
10 aurar-----	1.5	75 copper, 25 nickel-----	15	1
Do-----	1.25	Zinc-----	15	1
5 aurar-----	6	95 copper, 4 tin, 1 zinc-----	24	1.5
Do-----	6	97 copper, 2.5 zinc, 0.5 tin-----	24	1.5
2 aurar-----	3	95 copper, 4 tin, 1 zinc-----	19	1.3
Do-----	3	97 copper, 2.5 zinc, 0.5 tin-----	19	1.3
1 eyrir-----	1.6	95 copper, 4 tin, 1 zinc-----	15	1
Do-----	1.6	97 copper, 2.5 zinc, 0.5 tin-----	15	1

INDIA

[Coins in active circulation at end of December 1951]

1 rupee-----	11.6638	500 silver, 500 copper, zinc, and nickel-----	30.5	-----
Do-----	11.6638	Pure nickel-----	27.9	-----
½ rupee-----	5.8319	500 silver, 500 copper, zinc, and nickel-----	24.1	-----
Do-----	5.8319	Pure nickel-----	24.1	-----
¼ rupee or 4 annas-----	2.916	916½ silver, 83½ copper-----	19.1	-----
Do-----	2.916	500 silver, 500 copper, zinc, and nickel-----	19.1	-----
Do-----	2.916	Pure nickel-----	19.1	-----
Do-----	6.8039	75 copper, 25 nickel-----	23.5	}
Do-----	6.8039	75 copper, 25 nickel-----	25.4	
¾ rupee or 2 annas-----	1.458	916½ silver, 83½ copper-----	15.2	}
Do-----	5.8319	75 copper, 25 nickel-----	22.4	
Do-----	5.8319	do-----	25.4	}
Do (George V)-----	5.8319	do-----	21	
Do-----	5.8319	79 copper, 20 zinc, 1 nickel-----	25.4	}
Do-----	5.8319	79 copper, 20 zinc, 1 nickel-----	22.4	
1 anna-----	3.8879	75 copper, 25 nickel-----	21	}
Do-----	3.8879	79 copper, 20 zinc, 1 nickel-----	19.8	
Do-----	3.8879	79 copper, 20 zinc, 1 nickel-----	21	}
Do-----	3.8879	79 copper, 20 zinc, 1 nickel-----	19.8	
½ anna-----	2.916	75 copper, 25 nickel-----	17.4	}
Do-----	2.916	79 copper, 20 zinc, 1 nickel-----	19.8	
Do-----	2.916	79 copper, 20 zinc, 1 nickel-----	17.4	}
Do-----	2.916	79 copper, 20 zinc, 1 nickel-----	17.4	
Single piece-----	6.4799	Copper-----	25.4	-----
Do-----	4.8599	97 copper, 2.5 zinc, 0.5 tin-----	25.4	-----
Do-----	3.8879	do-----	21.3	-----
Do-----	2.916	do-----	21.3	-----
Do-----	1.944	do-----	21.3	-----
½ piece-----	3.2399	Copper-----	21.3	-----
Do-----	2.43	97 copper, 2.5 zinc, 0.5 tin-----	21.3	-----
Pie pieces-----	2.1599	Copper-----	17.3	-----
Do-----	1.62	97 copper, 2.5 zinc, 0.5 tin-----	17.3	-----

Coins of India are round with three exceptions: 4 anna coin of cupro-nickel and 1 anna coins, scalloped; 2 anna and ½ anna coins, square with round corners; and single piece of 1.944 grams, round with round hole in center approximately 9.4 millimeters in diameter.

Indian coins also circulate in Persian Gulf, Bahrein, Kuwait, Muscat, Bhutan, Nepal and French and Portuguese possessions in India.

INDOCHINA

[Coins in active circulation at end of December 1950]*

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
1 piastre.....	18	75 copper, 25 nickel.....	35	-----
20 cents.....	2.2	Aluminum.....	27	-----
Do.....	7	90 nickel, 10 copper.....	24	-----
10 cents.....	1.3	Aluminum.....	23	-----
Do.....	3	90 nickel, 10 copper.....	18	-----
5 cents.....	0.7	Aluminum.....	18	-----
1 cent.....	0.5	do.....	17	-----

*Latest available data.

INDONESIA

[Coins in active circulation at end of December 1951]

10 cents.....	1.7	Aluminum.....	23.5	-----
5 cents.....	1.3	do.....	22	-----
2½ cents.....	4	95 copper, 4 tin, 1 zinc; and 95 copper, 5 zinc.....	23.5	-----
1 cent.....	2.5	do.....	19	-----
½ cent.....	1.3	do.....	14	-----

[Coins withdrawn from active circulation by the end of December 1951 as authorized by Indonesian Coin Law of 1951]

10 florin.....	6.72	900 gold, 100 copper.....	22.5	-----
5 florin.....	3.36	do.....	18	-----
2½ florin.....	25	945 silver, 55 copper; and 720 silver, 280 copper.....	38	2.5
1 florin.....	10	do.....	28	2
50 cents.....	5	do.....	22	1.5
25 cents.....	3.18	720 silver, 280 copper.....	19	1
10 cents.....	1.25	do.....	15	.8
5 cents.....	5	75 copper, 25 nickel.....	21	1.5

IRAN

[Coins in active circulation at end of December 1951]

1 pahlavi.....	8.13598	900 gold, 100 silver or copper.....	22	-----
½ pahlavi.....	4.06799	do.....	19	-----
10 rials.....	16	600 silver, 400 copper.....	32	-----
5 rials.....	8	do.....	26	-----
2 rials.....	3.2	do.....	22	-----
1 rial.....	1.6	do.....	18	-----

IRAQ

[Coins in active circulation at end of December 1951]

200 fils (riyal).....	20	900 silver, 100 copper.....	34	-----
50 fils (dirham).....	9	500 silver, 400 copper, 50 nickel, 50 zinc.....	26.5	-----
20 fils.....	3.6	do.....	20.5	-----
10 fils (scalloped).....	6.75	95.5 copper, 3 tin, 1.5 zinc.....	25	-----
4 fils (scalloped).....	4	do.....	21	-----
2 fils.....	5	do.....	24	-----
1 fil.....	2.5	do.....	19.5	-----

IRELAND

[Coins in active circulation at end of December 1951]

Half-crown.....	14.13795	750 silver, 250 copper; and 75 copper, 25 nickel.....	32.4	2.3
Florin.....	11.31036	do.....	28.6	2.3
Shilling.....	5.65518	do.....	23.7	1.8
Sixpence.....	4.53593	Pure nickel; and 75 copper, 25 nickel.....	21	1.9
Threepence.....	3.23995	do.....	17.7	1.9
Penny.....	9.44984	95.5 copper, 3 tin, 1.5 zinc.....	30.9	1.9
Halfpenny.....	5.6699	do.....	25.5	1.8
Farthing.....	2.83495	do.....	20.2	1.5

ISLE OF MAN

[United Kingdom coins circulate in the Isle of Man]

ISRAEL

[Coins in active circulation at end of December 1951]

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
250 prutot.....	14.14	75 copper, 25 nickel.....	32.3	-----
100 prutot.....	11.31	do.....	28.5	-----
50 prutot.....	5.65	do.....	23.5	-----
25 prutot.....	2.83	do.....	19.5	-----
10 prutot.....	6.16	95.5 copper, 3 tin, 1.5 zinc.....	27	-----
5 prutot.....	3.24	do.....	20	-----
1 pruta.....	1.26	96 aluminum, 3-4 magnesium, approximately 1 manganese.	21	-----

Palestine coins in process of withdrawal in Israel.

ITALY

[Coins in active circulation at end of December 1946]*

10 lire.....	3	Aluminum-magnesium-manganese.....	29	-----
5 lire.....	2.5	do.....	26.7	-----
2 lire.....	1.75	do.....	24.1	-----
1 lira.....	1.25	do.....	21.6	-----

*Latest available data.

JAMAICA

[Coins in active circulation at end of December 1951]

Penny.....	7.5	79 copper, 20 zinc, 1 nickel.....	27	-----
Halfpenny.....	4.5	do.....	22.5	-----
Farthing.....	2.75	do.....	20.3	-----

United Kingdom coins also circulate in Jamaica.

JAPAN

[Coins in active circulation at end of December 1950]*

5 yen.....	4	60 to 70 copper, 30 to 40 zinc.....	22	1.3
Do.....	3.75	do.....	{ 22 5 }	1.3
1 yen.....	3.2	do.....	20	1.2
50 sen.....	4.5	do.....	23.5	1.7
Do.....	2.8	do.....	19	1.2
10 sen.....	1.5	Pure aluminum.....	22	1.8
Do.....	1.2	do.....	22	1.5
Do.....	1	do.....	22	1.3
Do.....	1	do.....	22	1.3
Do.....	2.4	93 tin, 7 zinc.....	{ 19 5 }	1.7
Do.....	4	95 copper, 5 aluminum.....	{ 22 4.6 }	1.7
5 sen.....	2.8	do.....	{ 19 4 }	1.5
Do.....	1.95	93 tin, 7 zinc.....	{ 17 4 }	1.7
Do.....	2	do.....	17	1.5
Do.....	1.2	Pure aluminum.....	19	1.9
Do.....	1	do.....	19	1.6
Do.....	0.8	do.....	19	1.3
1 sen.....	3.75	95 copper, 4 tin, 1 zinc.....	23	1.4
Do.....	3.75	90 copper, 10 zinc.....	23	1.3
Do.....	0.9	Pure aluminum.....	17.5	1.7
Do.....	0.65	do.....	16	1.6
Do.....	0.55	do.....	16	1.3
Do.....	1.3	50 tin, 50 zinc.....	15	1.5

*Latest available data.
Japanese coins with 2 diameters are round with round hole in center.

JERSEY

[Coins in active circulation at end of December 1951]

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
Penny.....	9.44984	95.5 copper, 3 tin, 1.5 zinc.....	30.9	-----
Halfpenny.....	5.6699	do.....	25.5	-----

United Kingdom coins also circulate in Jersey.

JORDAN

[Coins minted during 1951]

100 fils.....	12	75 copper, 25 nickel.....	50	-----
50 fils.....	7.5	do.....	26	-----
20 fils.....	3.75	do.....	20	-----
10 fils.....	10	95.5 copper, 3 tin, 1.5 zinc.....	28	-----
5 fils.....	6	do.....	24	-----
1 fil.....	3	do.....	19	-----

Palestine coins in process of withdrawal in Jordan.

KUWAIT

[Coins of India circulate in Kuwait]

LABUAN

[Malayan coins circulate in Settlement of Labuan]

LEBANON

[Coins in active circulation at end of December 1951]

50 piasters.....	10	680 silver, 320 copper.....	28	2
25 piasters.....	5	do.....	24	1.5
10 piasters.....	2	do.....	17	1
5 piasters.....	4.2	91 copper, 9 aluminum.....	22.5	1.5
2½ piasters.....	2.9	do.....	21	1.5
2 piasters.....	1.9	do.....	18	1

The 2½ and 2 piasters are being withdrawn from circulation.

LEEWARD ISLANDS

[United Kingdom coins circulate in the Leeward Islands]

LIBERIA

[Coins in active circulation at end of December 1951]

½ dollar.....	15	-----	29.5	2
Quarter.....	16.5	-----	23.5	1.3
Dime.....	2.5	-----	17.5	1
2 cents.....	8.4	75 copper, 25 nickel.....	29	1.3
1 cent.....	5.4	do.....	25.5	1.2

United States money chief circulating medium in Liberia.

LIBYA

[Coins authorized by Libya Coinage Law No. 4 of Oct. 24, 1951]

2 piasters.....	-----	75 copper, 25 nickel.....	26	-----
1 piaster.....	-----	do.....	20	-----
5 millimes.....	-----	95.5 copper, 3 tin, 1.5 zinc.....	28	-----
2 millimes.....	-----	do.....	24	-----
1 millieme.....	-----	do.....	18	-----

Libyan coins are scheduled to be placed in circulation during 1952. At present three currencies circulate in Libya: military authority lire in Tripolitania, Egyptian pounds in Cyrenaica, and Algerian francs in the Fezzan.

LIECHTENSTEIN

[Coins of Switzerland circulate in Liechtenstein]

LUXEMBOURG

[Coins in active circulation at end of December 1951]

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
100 francs.....	25	835 silver, 165 copper.....	37	2.7
50 francs.....	12.5	do.....	31	2
20 francs.....	8.5	do.....	27	1.9
5 francs.....	7	75 copper, 25 nickel.....	25.5	1.9
1 franc.....	5	do.....	23	1.6
Do.....	6.5	do.....	24	1.9
50 centimes.....	3.5	Pure nickel.....	20.5	1.4
25 centimes.....	5.5	75 copper, 25 nickel.....	25	1.6
Do.....	2.5	95 copper, 4 tin, 1 zinc.....	19	1.2
10 centimes.....	4	Copper.....	23	1.4
5 centimes.....	2.5	do.....	19	1.2

Belgian coins also circulate in Luxembourg.

MADAGASCAR

[Coins in active circulation at end of December 1951]

2 francs (Chambre de Commerce).	7.93	91 copper, 9 aluminium; and pure aluminium.	26	-----
2 francs (Republique Francaise).	7.98	do.....	26	-----
1 franc (Chambre de Commerce).	4.03	do.....	23	-----
1 franc (Republique Francaise).	3.88	do.....	23-9.5	-----
1 franc (Croix de Lorraine).	5.52	do.....	25-4.5	-----
50 centimes (Republique Francaise).	2.04	do.....	18-9.5	-----
50 centimes (Croix de Lorraine).	2.78	do.....	20-0.1	-----

MALAYA (FEDERATION)

[Coins in active circulation at end of December 1951]

1 dollar.....	20.217	900 silver.....		-----
Do.....	16.848	500 silver.....		-----
½ dollar.....	10.108	900 silver.....		-----
Do.....	8.424	500 silver.....		-----
20 cents.....	5.43	800 silver.....	23.3	-----
Do.....	5.43	750 silver.....	23.3	-----
Do.....	5.43	600 silver.....	23.3	-----
Do.....	5.43	500 silver.....	23.3	-----
Do.....	5.43	400 silver.....	23.3	-----
Do.....	5.655	75 copper, 25 nickel.....	23.6	-----
10 cents.....	2.715	800 silver.....	18	-----
Do.....	2.715	750 silver.....	18	-----
Do.....	2.715	600 silver.....	18	-----
Do.....	2.715	500 silver.....	18	-----
Do.....	2.715	400 silver.....	18	-----
Do.....	2.827	75 copper, 25 nickel.....	19.4	-----
5 cents.....	1.357	800 silver.....	15.7	-----
Do.....	1.357	750 silver.....	15.7	-----
Do.....	1.357	600 silver.....	15.7	-----
Do.....	1.357	500 silver.....	15.7	-----
Do.....	1.357	400 silver.....	15.7	-----
Do.....	1.413	75 copper, 25 nickel.....	16.3	-----
Do.....	4	do.....		-----
1 cent.....	9.331	95 copper, 4 tin, 1 zinc.....		-----
Do (square).....	5.832	do.....		-----
Do (square).....	4.212	95 copper, 4 tin, 1 zinc; and 95.5 copper, 3 tin, 1.5 zinc.	19.8-23.4	-----
½ cent.....	4.665	95 copper, 4 tin, 1 zinc.....		-----
Do (square).....	2.916	do.....		-----
¼ cent.....	2.333	do.....		-----

Malayan coins circulate in the Colony of Singapore including its dependencies, Christmas and Cocos Islands; the Federation of Malaya; Brunei; and the Settlement of Labuan; and since 1945, in the colonies of Borneo and Sarawak.

MALTA

[United Kingdom coins circulate in Malta]

MAURITIUS

[Coins in active circulation at end of December 1951]

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
1 rupee.....	11.6638	75 copper, 25 nickel.....	30	-----
½ rupee.....	5.8319	do.....	23.6	-----
¼ rupee.....	2.916	do.....	19	-----
10 cents (scalloped).....	5.1839	do.....	23.5	-----
5 cents.....	9.7198	95.5 copper, 3 tin, 1.5 zinc.....	28.4	-----
2 cents.....	3.8879	do.....	23.1	-----
1 cent.....	1.944	do.....	17.8	-----

MEXICO

[Coins in active circulation at end of December 1951]

5 pesos.....	30	900 silver, 100 copper.....	40	3
Do.....	27½	720 silver, 280 copper.....	40	3
1 peso.....	14	500 silver, 400 copper, 60 nickel, 40 zinc.....	32	2.3
Do.....	13½	300 silver, 500 copper, 100 nickel, 100 zinc.....	32	2.3
50 centavos.....	6½	do.....	26	1.7
25 centavos.....	3½	do.....	21.5	1.3
20 centavos.....	10	95 copper, 4 zinc, 1 tin; and 95 copper, 5 zinc.....	28.5	2.2
10 centavos.....	5½	80 copper, 20 nickel.....	23.5	1.4
5 centavos.....	4	do.....	20.5	1.7
Do.....	4	75 copper, 25 nickel.....	20.5	1.7
Do.....	6½	95 copper, 4 zinc, 1 tin; and 95 copper, 5 zinc.....	25.5	1.8
1 centavo.....	3	95 copper, 4 zinc, 1 tin.....	20	1.4
Do.....	2	85 copper, 15 zinc.....	16	1.4

MONACO

[Coins in active circulation at end of December 1951]

100 francs.....	12	75 copper, 25 nickel.....	30	-----
50 francs.....	8	91 copper, 9 aluminum.....	27	-----
20 francs.....	4	do.....	23.5	-----
10 francs.....	3	do.....	20	-----
5 francs.....	3.5	Aluminum.....	31	-----
2 francs.....	2.2	do.....	27	-----
1 franc.....	1.3	do.....	23	-----

MUSCAT (MASQAT)

[Coins in active circulation at end of December 1951]

Maria Theresa thaler (trade coin.)	28.0668	833½ silver, 166½ copper.....	39.5	2.5
½ thaler.....	-----	do.....	-----	-----
50 baiza.....	-----	75 copper, 25 nickel.....	-----	-----
20 baiza.....	-----	do.....	-----	-----
10 baiza.....	-----	do.....	-----	-----
5 baiza.....	-----	do.....	-----	-----
2 baiza.....	-----	do.....	-----	-----

Coins of India also circulate in Muscat.

NEPAL

[Coins in active circulation at end of December 1951]

Debal (rupee).....	11.0811	333.3 silver, 666.7 copper.....	29.6	1.7
Mohar (half-rupee).....	5.5405	do.....	25.3	1.2
Pachanni (twenty-pice).....	2.1782	do.....	18.3	.9
Duipaisa (two-pice).....	3.8965	66 copper, 34 zinc.....	22.9	1.1
Paisa (one-pice).....	1.94825	do.....	20.1	.7

Coins of India also circulate in Nepal.

NETHERLANDS

[Coins in active circulation at end of December 1951]

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
Ducat.....	3.494	983 gold, 17 copper.....	21	-----
Rijksdaalder (2½ guilders).	25	945 silver, 55 copper.....	38	-----
Do.....	25	720 silver, 280 copper.....	38	-----
Gulden.....	10	do.....	28	2.2
Kwartje (25-cents).....	3	Nickel.....	19	1.7
Dubbeltje (10-cents).....	1.4	640 silver, 360 copper.....	15	1.1
Do.....	3.3	Zinc.....	22	-----
Do.....	1.5	Nickel.....	15	-----
Stuiver (5-cents).....	3.5	95 copper, 4 tin, 1 zinc.....	21	-----
Centstukken.....	2.5	do.....	19	-----
Do.....	2	Zinc.....	17	-----
Do.....	2	95 copper, 4 tin, 1 zinc.....	17	-----

Gold ducat without capacity of legal tender.

NETHERLANDS ANTILLES (CURAÇAO)

[Coins in active circulation at end of December 1951]

Rijksdaalder (2½ guilders).....	25	720 silver, 280 copper.....	38	-----
Gulden.....	10	do.....	28	-----
Kwartje (25 cents).....	3.575	640 silver, 360 copper.....	19	1.7
Dubbeltje (10 cents).....	1.4	do.....	15	1.1
Stuiver (Square) (5 cents).....	4.5	75 copper, 25 nickel.....	18	1.8
2½ cents.....	4	95 copper, 4 zinc, 1 tin.....	23.5	-----
1 cent.....	2.5	do.....	19	-----

NETHERLANDS GUIANA (SURINAM)

[Coins in active circulation at end of December 1951]

¼ guilder (25 cents).....	3.575	640 silver, 360 copper.....	19	1.7
⅓ guilder (10 cents).....	1.4	do.....	15	1.1
5 cents.....	4.5	Nickel-silver.....	18	1.8
2½ cents.....	4	95 copper, 4 zinc, 1 tin; or 70 copper, 30 zinc.....	23.5	-----
1 cent.....	2.5	do.....	19	-----

NEW CALEDONIA

[Coins in active circulation at end of December 1951]

2 francs.....	1.2	Aluminum-magnesium (approximately 95-5).....	-----	-----
1 franc.....	0.8	do.....	-----	-----

NEW ZEALAND

[Coins in active circulation at end of December 1951]

Crown.....	28.2759	500 silver, 400 copper, 50 nickel, 50 zinc.....	38.7	-----
Half-crown.....	14.13795	500 silver, 400 copper, 50 nickel, 50 zinc; and 75 copper, 25 nickel.....	32.3	-----
Florin.....	11.31036	do.....	28.5	-----
Shilling.....	5.65518	do.....	23.6	-----
Sixpence.....	2.82759	do.....	19.4	-----
Threepence.....	1.41379	do.....	16.3	-----
Penny.....	9.44984	95.5 copper, 3 tin, 1.5 zinc.....	30.9	-----
Halfpenny.....	5.6699	do.....	25.5	-----

Silver coins in process of withdrawal in New Zealand.

NEWFOUNDLAND*

[Coins in active circulation at end of December 1951]

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
50 cents.....	11.6638	925 silver, 75 copper.....	29.6	2.1
25 cents.....	5.8319	do.....	23.6	1.8
20 cents.....	4.6655	do.....		
10 cents.....	2.3328	800 silver, 200 copper.....	17.8	1.3
5 cents.....	1.1664	do.....	15.5	.6
1 cent.....	3.2399	95 copper, 1.5 zinc, 0.5 tin.....	19.1	1.7

*Canadian coins also circulated in Newfoundland, a Province of Canada since Apr. 1, 1949.

NICARAGUA

[Coins in active circulation at end of December 1951]

1 cordoba.....	15	900 silver, 100 copper.....	38	3
50 centavos.....	12.5	800 silver, 200 copper.....	30	2
Do.....	8	75 copper, 25 nickel.....	26	2
25 centavos.....	5.25	800 silver, 200 copper.....	24	1.8
Do.....	5	75 copper, 25 nickel.....	23	1.8
Do.....	7.5	70 copper, 30 zinc.....	27	1.9
10 centavos.....	2.5	800 silver, 200 copper.....	18	1.1
Do.....	4	75 copper, 25 nickel.....	20	1.8
Do.....	5.5	70 copper, 30 zinc.....	24	1.8
5 centavos.....	3	75 copper, 25 nickel.....	17	1.8
Do.....	3.75	70 copper, 30 zinc.....	21	1.6
Do.....	5	75 copper, 25 nickel.....	21	1.6
1 centavo.....	2.5	70 copper, 30 zinc.....	18	1.5
Do.....	4	95 copper, 5 zinc and tin.....	20	1.6
½ centavo.....	2	do.....	17	1.5

NORTHERN RHODESIA

[United Kingdom and Southern Rhodesian coins circulate in Northern Rhodesia]

NORWAY

[Coins in active circulation at end of December 1951]

1 krone.....	7	75 copper, 25 nickel.....	25	5
50 øre.....	4.8	do.....	22	4
Do.....	4	99.8 zinc, 0.2 cadmium.....	22	
25 øre.....	2.4	75 copper, 25 nickel.....	17	3
Do.....	2	99.8 zinc, 0.2 cadmium.....	17	
10 øre.....	1.5	75 copper, 25 zinc.....	15	3
Do.....	1.25	99.8 zinc, 0.2 cadmium.....	15	
5 øre.....	8	95 copper, 4 tin, 1 zinc.....	27	
Do.....	6.944	Iron.....	27	
2 øre.....	4	95 copper, 4 tin, 1 zinc.....	21	
Do.....	3.472	Iron.....	21	
1 øre.....	2	95 copper, 4 tin, 1 zinc.....	16	
Do.....	1.736	Iron.....	16	

NYASALAND

[United Kingdom and Southern Rhodesian coins circulate in Nyasaland]

PAKISTAN

[Coins in active circulation at end of December 1951]

1 rupee.....	11.6638	Pure nickel.....	27.9	
½ rupee.....	5.8319	do.....	24.1	
¼ rupee.....	2.916	do.....	19.1	
2 annas.....	5.8319	75 copper, 25 nickel.....	25.4	}
1 anna.....	3.8879	do.....	22.4	
½ anna.....	2.916	do.....	21	
		do.....	19.8	
		do.....	19.8	}
Single pice.....	1.944	97 copper, 2.5 zinc, 0.5 tin.....	17.4	
Pie piece.....	1.62	do.....	21.3	
			17.3	

The 2- and ½-anna coins of Pakistan are square with round corners, the anna is scalloped, and the single pice is round with round hole in center approximately 9.4 millimeters in diameter.

The Pakistan Government on Mar. 31, 1951, declared that with effect from July 1, 1951, the following coins should cease to be legal tender in Pakistan: India nickel and quaternary silver whole rupee coin; and all small India coin of the denominations of half rupee, two annas, one anna, half anna, and single pice.

PANAMA (REPUBLIC OF)

[Coins in active circulation at end of December 1951]

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
1 balboa.....	26.73	900 silver, 100 copper.....	38	2.9
0.50 balboa.....	12.5	do.....	30	2.2
0.25 balboa.....	6.25	do.....	25	1.7
0.10 balboa.....	2.5	do.....	18	1.3
5 centesimos.....	5	75 copper, 25 nickel.....	21	2
2½ centesimos.....	3.3	do.....	18	1.8
1¼ centesimos.....	3.11	95 copper, 5 zinc and tin.....	20	1.6
1 centesimo.....	3.11	do.....	19	1.6

United States coins also circulate in Panama.

PARAGUAY

[Coins in active circulation at end of December 1951]

50 centimos.....	6	92 copper, 8 aluminum.....	25	1.5
25 centimos.....	5	do.....	23	1.5
10 centimos.....	4	do.....	21	1.5
5 centimos.....	3	do.....	19	1.3
1 centimo.....	2	do.....	17	1.1

PERU

[Coins in active circulation at end of December 1951]

100 soles.....	46.8071	900 gold, 100 copper.....	37	-----
50 soles.....	23.40355	do.....	30	-----
20 soles.....	9.36142	do.....	23	-----
1 sol.....	14	70 copper, 30 zinc.....	33	2
Do.....	14	79 copper, 20 zinc, 1 nickel.....	33	2
½ sol.....	7.5	70 copper, 30 zinc.....	27	1.6
Do.....	7.5	79 copper, 20 zinc, 1 nickel.....	27	1.6
20 centavos.....	7	70 copper, 30 zinc.....	24	1.9
Do.....	3.8	do.....	24	1
10 centavos.....	4	do.....	20	1.6
Do.....	2.7	do.....	20	1
5 centavos.....	3	do.....	17	1.6
Do.....	1.87	do.....	17	1
2 centavos.....	10	95 copper, 3 tin, 2 zinc.....	24	2.3
Do.....	5	95 copper, 5 zinc.....	24	1.3
Do.....	1.4	95 zinc, 5 copper.....	17	.8
1 centavo.....	5	95 copper, 3 tin, 2 zinc.....	19	2
Do.....	2.5	95 copper, 5 zinc.....	19	.9
Do.....	1.1	95 zinc, 5 copper.....	15	.8

Gold coins of Peru are minted for private account. The sol and half sol denominations are issued by the Central Reserve Bank; all other denominations are issued by the State.

PHILIPPINES

[Coins in active circulation at end of December 1951]

1 peso.....	20	800 silver, 200 copper.....	35.7	2.3
50 centavos.....	10	750 silver, 250 copper.....	27.6	2.1
20 centavos.....	4	do.....	20.8	2.1
10 centavos.....	2	do.....	16.7	1.6
5 centavos.....	4.87	65 copper, 12 nickel, 23 zinc.....	19.1	2.3
1 centavo.....	5.184	95 copper, 5 zinc.....	24.8	1.5

POLAND

[Coins in active circulation at end of December 1950]*

1 zloty.....	6.975	Copper-nickel.....	25	2
50 groszy.....	5.035	do.....	23	1.8
20 groszy.....	2.9	do.....	20	1.4
10 groszy.....	2	do.....	17.6	1.3
5 groszy.....	2.995	Brass.....	20	1.5

* Latest available data.

PORTUGAL

[Coins in active circulation at end of December 1950]*

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
10 escudos.....	12.5	835 silver, 165 copper.....	30	1.7
5 escudos.....	7	650 silver, 350 copper.....	25	1.4
2½ escudos.....	3.5	do.....	20	1.1
1 escudo.....	8	61 copper, 20 zinc, 19 nickel.....	26.8	1.6
50 centavos.....	4.5	do.....	22.8	1.3
20 centavos.....	3	95 copper, 3 zinc, 2 tin.....	20.5	1.1
10 centavos.....	2	do.....	17.5	1

*Latest available data.

PORTUGUESE EAST AFRICA (MOZAMBIQUE)

[Coins in active circulation at end of December 1951]

10 escudos.....	12.5	835 silver, 165 copper.....	30	1.7
5 escudos.....	7	650 silver, 350 copper.....	25	1.4
2½ escudos.....	3.5	do.....	20	1.1
1 escudo.....	8	80 copper, 20 nickel.....	26.8	1.6
Do.....	7.5	95 copper, 3 zinc, 2 tin.....	26.8	1.6
Do.....	8	61 copper, 20 zinc, 19 nickel.....	26.8	1.6
50 centavos.....	4	95 copper, 3 zinc, 2 tin.....	22.8	1.3
Do.....	4.5	80 copper, 20 nickel.....	22.8	1.3
Do.....	4.5	61 copper, 20 zinc, 19 nickel.....	22.8	1.3
20 centavos.....	5	96 copper, 4 zinc.....	25	1.2
Do.....	3	95 copper, 3 zinc, 2 tin.....	20.5	1.1
10 centavos.....	4	96 copper, 4 zinc.....	22.5	1.2

PORTUGUESE INDIES

[Coins in active circulation at end of December 1950]*

1 rupee.....	11.664	916¾ silver, 83¾ copper.....	30	1.7
Do.....	12	500 silver, 420 copper, 80 nickel.....	30	1.9
½ rupee.....	5.832	916¾ silver, 83¾ copper.....	25	1.2
Do.....	5.6	75 copper, 25 nickel.....	24	1.5
¼ rupee.....	2.8	do.....	19	1.2
4 tangas.....	4	80 copper, 20 nickel.....	22.5	1.2
2 tangas.....	3	do.....	19	1.2
1 tanga.....	4	96 copper, 4 zinc.....	22.5	1.2
Do.....	6	95 copper, 3 zinc, 2 tin.....	25	1.5

*Latest available data.

PORTUGUESE MACAU

[Pataca of Hong Kong and Chinese coins circulate in Macau]

PORTUGUESE TIMOR

[Coins in active circulation at end of December 1950]*

50 avos.....	3.5	650 silver, 350 copper.....	20	1.1
20 avos.....	8	61 copper, 20 zinc, 19 nickel.....	26.8	1.6
10 avos.....	3	95 copper, 3 zinc, 2 tin.....	20.5	1.1

*Latest available data.

PORTUGUESE WEST AFRICA (ANGOLA)

[Coins in active circulation at end of December 1950]*

50 centavos.....	4.5	61 copper, 20 zinc, 19 nickel.....	22.8	1.3
20 centavos.....	3	95 copper, 3 zinc, 2 tin.....	20.5	1.1
10 centavos.....	2	do.....	17.5	1

*Latest available data.

PORTUGUESE WEST AFRICA (CAPE VERDE)

[Coins in active circulation at end of December 1950]*

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
1 escudo.....	8	61 copper, 20 zinc, 19 nickel.....	26.8	1.6
50 centavos.....	4.5	do.....	22.8	1.3

*Latest available data.

PORTUGUESE WEST AFRICA (GUINEA)

[Coins in active circulation at end of December 1950]*

1 escudo.....	7.5	95 copper, 3 zinc, 2 tin.....	26.8	1.1
50 centavos.....	4	do.....	22.8	1.3

*Latest available data.

PORTUGUESE WEST AFRICA (SAN TOME AND PRINCIPE)

[Coins in active circulation at end of December 1950]*

10 escudos.....	12.5	835 silver, 165 copper.....	30	1.7
5 escudos.....	7	650 silver, 350 copper.....	25	1.4
2½ escudos.....	3.5	do.....	20	1.1
1 escudo.....	8	80 copper, 20 nickel.....	26.8	1.6
Do.....	8	61 copper, 20 zinc, 19 nickel.....	26.8	1
50 centavos.....	4.5	do.....	22.8	1.3

*Latest available data.

REUNION

[Coins in active circulation at end of December 1951]

2 francs.....	2.2	Aluminum.....	27	-----
1 franc.....	1.3	do.....	23	-----

RUMANIA

[Coins in active circulation at end of December 1950]*

5 lei.....	1.5	Aluminum with 1.5 percent impurities.....	23	2
2 lei.....	3.5	92 copper, 8 zinc.....	21	1.5
Do.....	2.5	63 copper, 37 zinc.....	18	1.2
1 leu.....	2.5	do.....	18	1.2
Do.....	1.7	70 copper, 30 zinc.....	16	1
50 bani.....	1.7	do.....	16	1

*Latest available data.

The 5 lei aluminum coin bearing the monarchical effigy withdrawn from circulation July 1, 1950; the 5 lei aluminum coin bearing the Republic's seal continues to circulate. The 2 and 1 lei coins bearing the monarchical insignia withdrawn from circulation between Nov. 1 and Dec. 31, 1950.

SAINT-PIERRE ET MIQUELON

[Coins in active circulation at end of December 1951]

2 francs.....	2.2	Aluminum.....	27	-----
1 franc.....	1.3	do.....	23	-----

SARAWAK

[Coins in active circulation at end of December 1949]*

50 cents.....	10.368	400 silver, 600 copper.....	31	2.5
20 cents.....	5.184	do.....	23.5	2
10 cents.....	5.832	75 copper, 25 nickel.....	26	1.5
5 cents.....	3.888	do.....	21	1.5
1 cent.....	5.5	Copper.....	24.5	2
½ cent.....	3	do.....	18	2

*Latest available data.

Malayan coins also in circulation in Sarawak since 1945.

SAUDI ARABIA

[Coins in active circulation at end of December 1951]

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
1 riyal.....	11.6638	916 $\frac{3}{4}$ silver, 83 $\frac{1}{4}$ copper.....	30.5	1.7
$\frac{1}{2}$ riyal.....	5.8319	do.....	24.4	1.4
$\frac{1}{4}$ riyal.....	2.9160	do.....	19.5	1.1
1 qurush.....	6.5	75 copper, 25 nickel.....	26	1.5
$\frac{1}{2}$ qurush.....	5.5	do.....	23	1.5
$\frac{1}{4}$ qurush.....	4.25	do.....	20	1.4

United Kingdom and Australian gold sovereigns also circulate in Saudi Arabia.

SEYCHELLES

[Coins in active circulation at end of December 1951]

1 rupee.....	11.6638	500 silver, 400 copper, 50 zinc, 50 nickel.....	30	-----
$\frac{1}{2}$ rupee.....	5.8319	do.....	23.6	-----
25 cents.....	2.916	do.....	19	-----
Do.....	-----	75 copper, 25 nickel.....	-----	-----
10 cents (scalloped).....	6.8039	do.....	25	-----
5 cents.....	9.7198	95.5 copper, 3 tin, 1.5 zinc.....	28.4	-----
2 cents.....	3.8879	do.....	23.1	-----
1 cent.....	1.944	do.....	17.8	-----

SINGAPORE

[Malayan coins circulate in the Colony of Singapore and its dependencies, Christmas and Cocos Islands]

SOUTH WEST AFRICA

[Coins of the Union of South Africa circulate in South West Africa]

SOUTHERN RHODESIA

[Coins in active circulation at end of December 1951]

Half-crown (2 $\frac{1}{2}$ s.).....	14.13795	500 silver, 400 copper, 50 nickel, 50 zinc.....	32.3	2.3
Do.....	14.13795	925 silver, 75 copper.....	32.3	-----
Do.....	14.13795	75 copper, 25 nickel.....	32.3	2.4
Florin (2 s.).....	11.31036	500 silver, 400 copper, 50 nickel, 50 zinc.....	28.5	2.3
Do.....	11.31036	925 silver, 75 copper.....	28.5	-----
Do.....	11.31036	75 copper, 25 nickel.....	28.5	2.3
Shilling.....	5.65518	500 silver, 400 copper, 50 nickel, 50 zinc.....	23.6	1.8
Do.....	5.65518	925 silver, 75 copper.....	23.6	-----
Do.....	5.65518	75 copper, 25 nickel.....	23.6	1.8
Sixpence.....	2.82759	500 silver, 400 copper, 50 nickel, 50 zinc.....	19.4	1.4
Do.....	2.82759	925 silver, 75 copper.....	19.4	-----
Do.....	2.82759	75 copper, 25 nickel.....	19.4	1.5
Threepence.....	1.41379	500 silver, 400 copper, 50 nickel, 50 zinc.....	16.3	1
Do.....	1.41379	925 silver, 75 copper.....	16.3	-----
Do.....	1.41379	75 copper, 25 nickel.....	16.3	1.1
Penny.....	6.47989	do.....	27	1.7
Do.....	6.47989	97 copper, 2.5 zinc, 0.5 tin; and 95.5 copper, 3 tin, 1.5 zinc.....	27	1.7
Half-penny.....	2.91595	75 copper, 25 nickel.....	21	1.4
Do.....	2.91595	97 copper, 2.5 zinc, 0.5 tin; and 95.5 copper, 3 tin, 1.5 zinc.....	21	1.4

Coins of Southern Rhodesia circulate in Northern Rhodesia and Nyasaland where United Kingdom coins also circulate.

Thickness of coins of 925 fineness slightly less than for corresponding denominations of 500 fineness.

SPAIN

[Coins in active circulation at end of December 1951]

5 pesetas.....	15	Pure nickel.....	32	2.5
1 peseta.....	3.5	90 copper, 10 aluminum.....	21	1.6
50 centimos.....	4	75 copper, 25 nickel.....	20	1.7
10 centimos.....	1.85	97.5 aluminum, 2.5 copper.....	23	2
5 centimos.....	1.15	do.....	20	1.6

SPANISH MOROCCO

[Coins in active circulation at end of December 1951]

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
5 pesetas.....	15	Pure nickel.....	32	2.5
1 peseta.....	3.5	90 copper, 10 aluminum.....	21	1.6
50 centimos.....	4	75 copper, 25 nickel.....	20	1.7
10 centimos.....	1.85	97.5 aluminum, 2.5 copper.....	23	2
5 centimos.....	1.15do.....	20	1.6

ST. LUCIA

[United Kingdom coins circulate in St. Lucia]

ST. VINCENT

[United Kingdom coins circulate in St. Vincent]

SWAZILAND

[Coins of the Union of South Africa circulate in Swaziland]

SWEDEN

[Coins in active circulation at end of December 1951]

5 kronor.....	25	900 silver, 100 copper.....	36	-----
2 kronor.....	15	800 silver, 200 copper.....	31	-----
Do.....	14	400 silver, 500 copper, 50 nickel, 50 zinc.....	31	-----
1 krona.....	7.5	800 silver, 200 copper.....	25	-----
Do.....	7	400 silver, 500 copper, 50 nickel, 50 zinc.....	25	-----
50 ore.....	5	600 silver, 400 copper.....	22	-----
Do.....	4.8	400 silver, 500 copper, 50 nickel, 50 zinc.....	22	-----
Do.....	4.8	75 copper, 25 nickel.....	22	-----
25 ore.....	2.42	600 silver, 400 copper.....	17	-----
Do.....	2.32	400 silver, 500 copper, 50 nickel, 50 zinc.....	17	-----
Do.....	2.4	75 copper, 25 nickel.....	17	-----
10 ore.....	1.45	400 silver, 600 copper.....	15	-----
Do.....	1.44	400 silver, 500 copper, 50 nickel, 50 zinc.....	15	-----
Do.....	1.5	75 copper, 25 zinc.....	15	-----
5 ore.....	8	95 copper, 4 tin, 1 zinc.....	27	-----
Do.....	6.9	Iron.....	27	-----
2 ore.....	4	95 copper, 4 tin, 1 zinc.....	21	-----
Do.....	3.5	Iron.....	21	-----
1 ore.....	2	95 copper, 4 tin, 1 zinc.....	16	-----
Do.....	1.7	Iron.....	16	-----

SWITZERLAND

[Coins in active circulation at end of December 1951]

5 francs.....	15	835 silver, 165 copper.....	31	2.6
2 francs.....	10do.....	27	2.2
1 franc.....	5do.....	23	1.6
½ franc.....	2.5do.....	18	1.4
20 centimes.....	4	Nickel.....	21	1.8
Do.....	4	75 copper, 25 nickel.....	21	1.8
10 centimes.....	3	Nickel.....	19	1.6
Do.....	3	75 copper, 25 nickel.....	19	1.6
5 centimes.....	2	Nickel.....	17	1.4
Do.....	2	75 copper, 25 nickel.....	17	1.4
2 centimes.....	3	95 copper, 4 tin, 1 zinc.....	20	1.5
1 centime.....	1.5do.....	16	1.2

The 1 and 2 centime zinc coins were withdrawn from circulation in Switzerland during 1951.

SYRIA

[Coins in active circulation at end of December 1951]

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
100 piasters (1 pound)-----	10	680 silver, 320 copper-----	28	2
50 piasters*-----	10	do-----	28	2
Do-----	5	600 silver, 400 copper-----	24	1.5
25 piasters*-----	5	680 silver, 320 copper-----	24	1.5
Do-----	2.5	600 silver, 400 copper-----	20	1.4
10 piasters*-----	2	680 silver, 320 copper-----	17	1
Do-----	4	75 copper, 25 nickel-----	21	1.5
5 piasters-----	4.2	Bronze-aluminum-----	22.5	1.5
Do-----	3	75 copper, 25 nickel-----	19	1.5
2½ piasters-----	2.9	Bronze-aluminum-----	21	1.5
Do-----	2	75 copper, 25 nickel-----	17	1.5
2 piasters*-----	1.9	Bronze-aluminum-----	18	1
1 plaster*-----	5	Bronze-nickel-----	24	1.5
Do.*-----	3.5	Zinc-----	24	1.5
½ plaster*-----	4	Bronze-nickel-----	21	1.5

*Few, if any, in circulation.

THAILAND

[Coins in active circulation at end of December 1951]

50 satang-----	5	90 tin, 10 copper-----	25	1.9
Do-----	4.5	Copper-----	23	-----
25 satang-----	2.5	90 tin, 10 copper-----	20.5	1.2
Do-----	2.5	Copper-----	20.5	-----
20 satang-----	6	90 tin, 10 copper-----	22	2.7
10 satang-----	5	do-----	20	2
Do-----	4	do-----	20	1.8
Do-----	1.75	do-----	17.5	1.2
Do-----	1.75	Tin-----	17.5	-----
5 satang-----	3	90 tin, 10 copper-----	17.5	2
Do-----	2.5	do-----	17.5	1.8
Do-----	1.25	do-----	15	1.2
Do-----	1.25	Tin-----	15	-----
1 satang-----	1.5	90 tin, 10 copper-----	15	1.3

Silver, nickel, and copper coins issued by Thailand prior to World War II have disappeared from circulation. See previous reports for description of these coins.

TOGO (FRENCH)

[Coins in active circulation at end of December 1951]

2 francs-----	2.2	Aluminum-----	27	-----
1 franc-----	1.3	do-----	23	-----

TRIESTE

[Italian coins circulate in Zone A of Free Territory of Trieste]

TRINIDAD AND TOBAGO

[United Kingdom coins circulate in Trinidad and Tobago]

TUNISIA

[Coins in active circulation at end of December 1951]

100 francs-----	12	75 copper, 25 nickel-----	31	-----
50 francs-----	8	do-----	27	-----
20 francs-----	5.5	do-----	23	-----

TURKEY

[Coins in active circulation at end of December 1951]

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
1 lira (pound).....	7.5	600 silver, 400 copper.....	25	1.6
50 kurus (piasters).....	4	do.....	20	1.3
25 kurus.....	4.5	70 copper, 30 zinc.....	22.5	1.4
10 kurus.....	2.75	do.....	18	1.4
5 kurus.....	2.25	do.....	16	1.4
2½ kurus.....	3.125	do.....	21	1.2
1 kuru.....	2.25	do.....	18	1.2

Turkish cupro-nickel coins are being withdrawn.

UNION OF SOUTH AFRICA

[Coins in active circulation at end of December 1951]

Crown.....	28.2759	800 silver, 200 copper; and 500 silver, 450 copper, 50 manganese.	38.7	2.4
Half crown.....	14.13795	do.....	32.2	1.7
Florin.....	11.31036	do.....	28.6	1.8
Shilling.....	5.65518	do.....	23.6	1.3
Sixpence.....	2.82759	do.....	19.3	1
Threepence.....	1.41379	do.....	16.2	.7
Penny.....	9.44984	95 copper, 4.5 zinc, 0.5 tin.....	30.9	1.4
Halfpenny.....	5.6699	do.....	25.5	1.2
Farthing.....	2.83495	do.....	20.1	1

South African coins also circulate in Basutoland, Bechuanaland, South West Africa, and Swaziland.

UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

[Coins in active circulation at end of December 1951]

<i>Imperial coins</i>				
Crown.....	28.2759	500 silver, 400 copper, 50 nickel, 50 zinc; and 75 copper, 25 nickel.	38.7	3
Half-crown.....	14.13795	do.....	32.3	2.4
Florin.....	11.31036	do.....	28.5	2.4
Shilling.....	5.65518	do.....	23.6	1.9
Sixpence.....	2.82759	do.....	19.4	1.7
Threepence.....	1.41379	do.....	16.3	1
Do (12 sided).....	6.80388	79 copper, 20 zinc, 1 nickel.....	{ 21.1 21.9 }	2.8
Penny.....	9.44984	95.5 copper, 3 tin, 1.5 zinc.....	30.9	2
Halfpenny.....	5.6699	do.....	25.5	1.9
Farthing.....	2.83495	do.....	20.2	1.3
<i>Maundy Money</i>				
Fourpence.....	29.0909	925 silver, 75 copper.....	17.6	-----
Threepence.....	21.81818	do.....	16.3	-----
Twopenny.....	14.54545	do.....	13.4	-----
Penny.....	7.27272	do.....	11.2	-----

Maundy Money does not actively circulate, but is minted for distribution of the Royal Maundy at Westminster Abbey on Maundy Thursday.

Silver coins (except Maundy Money) are no longer coined, but are in process of withdrawal from circulation, and are being replaced by the cupro-nickel coins authorized under the coinage act of 1946.

United Kingdom coins are legal tender in the following territories: Jamaica (including Turks and Caicos Islands and Cayman Islands), Bahamas, Barbados, Bermuda, British Guiana, Dominica, Falkland Islands, Grenada, Leeward Islands, Malta, St. Lucia, St. Vincent, Trinidad and Tobago, and Gibraltar.

URUGUAY

[Coins in active circulation at end of December 1951]

Denomination	Gross weight in grams	Composition (proportion of metals)	Diameter in millimeters	Thickness in millimeters
1 peso.....	9	720 silver, 280 copper.....	27	-----
50 centesimos.....	7	do.....	24	-----
20 centesimos.....	3	do.....	18.5	-----
10 centesimos.....	6	91 copper, 9 aluminum.....	25	-----
5 centesimos.....	5	75 copper, 25 nickel.....	23	-----
Do.....	5	95.5 copper, 3 tin, 1.5 zinc.....	23	-----
2 centesimos.....	3.5	75 copper, 25 nickel.....	20	-----
Do.....	3.5	95.5 copper, 3 tin, 1.5 zinc.....	20	-----
1 centesimo.....	2	75 copper, 25 nickel.....	17	-----

VATICAN CITY

[Coins in active circulation at end of December 1951]

100 Vatican lire.....	5.1966	900 gold.....	20.7	-----
10 Vatican lire.....	3	Aluminum-magnesium-manganese.....	29	-----
5 Vatican lire.....	2.5	do.....	26.7	-----
2 Vatican lire.....	1.75	do.....	24.1	-----
1 Vatican lira.....	1.25	do.....	21.6	-----

The 100 Vatican lire denomination is not coined for circulation.

VENEZUELA

[Coins in active circulation at end of December 1951]

5 bolivares.....	25	900 silver, 100 copper.....	37	2.4
2 bolivares.....	10	835 silver, 165 copper.....	27	2
1 bolivar.....	5	do.....	23	1.3
½ bolivar.....	2.5	do.....	18	1
¼ bolivar.....	1.25	do.....	16	.7
12½ centimos.....	5	75 copper, 25 nickel.....	23	1.6
5 centimos.....	2.5	do.....	19	1.3

World production of gold, 1947-51, by countries, in fine ounces ¹

[Table compiled by the Bureau of Mines, U. S. Department of the Interior]

Country ¹	1947	1948	1949	1950	1951
North America:					
United States (including Alaska) ²	2,165,318	2,025,480	1,921,949	2,288,708	1,894,726
Canada.....	3,070,221	3,529,608	4,123,518	4,441,227	4,328,931
Newfoundland.....	11,032				
Central America and West Indies:					
Costa Rica ⁴	1,988	1,096	284	115	1
Cuba.....	364	334	4 5,692	4 6,915	4 835
Dominican Republic ⁴	16	29	993	475	411
Guatemala ⁴	35	16	5	397	7
Honduras.....	12,037	13,633	25,832	36,545	31,216
Nicaragua (exports).....	213,454	222,627	219,139	229,206	251,160
Panama.....	-----	1,000	4 9,657	1,118	2,897
Salvador (exports).....	10,755	20,778	27,091	29,053	27,097
Mexico.....	464,739	367,612	405,550	408,122	394,007
Total.....	5,950,000	6,182,200	6,739,700	7,441,900	6,931,300
South America:					
Argentina.....	4 8,000	4 8,000	4 8,000	(7)	(7)
Bolivia.....	20,108	6,687	33,533	3 6 7,700	(7)
Brazil (estimate).....	167,000	156,900	183,500	3 195,500	200,000
British Guiana.....	21,111	16,518	19,368	11,800	13,485
Chile.....	168,855	164,258	179,144	3 190,172	173,646
Colombia.....	383,027	335,260	359,474	379,412	430,723
Ecuador.....	57,250	79,207	99,241	91,946	4 10,000
French Guiana.....	14,918	13,625	14,265	12,249	12,056
Peru.....	116,016	111,162	137,959	3 147,958	141,711
Surinam.....	4,134	4,177	3,794	4,546	6,494
Venezuela.....	21,830	49,730	61,378	34,462	28,606
Total.....	982,000	946,000	1,100,000	3 1,082,000	1,033,000

See footnotes at end of table.

*World production of gold, 1947-51, by countries, in fine ounces*¹—Continued

[Table compiled by the Bureau of Mines, U. S. Department of the Interior]

Country ¹	1947	1948	1949	1950	1951
Europe:					
Czechoslovakia.....	2,090	(?)	(?)	(?)	(?)
Finland.....	11,285	11,317	14,587	9,465	18,721
France.....	42,407	47,519	47,294	63,015	45,976
Hungary.....	1,993	(?)	(?)	(?)	(?)
Italy.....	11,253	18,422	10,385	10,674	12,089
Portugal.....	15,754	11,799	10,385	15,465	⁶ 14,000
Rumania.....	74,686	90,000	112,528	(?)	(?)
Spain.....	2,714	11,375	30,318	13,217	12,777
Sweden.....	75,586	71,889	80,280	78,866	80,000
U. S. S. R. (estimate) ⁸	7,000,000	7,000,000	7,000,000	³ 8,000,000	9,500,000
Total (estimate).....	7,200,000	7,300,000	7,400,000	³ 8,400,000	9,900,000
Asia:					
Burma.....	² 67	230	158	150	(?)
China.....	107,535	88,200	⁶ 60,000	³ 108,000	⁶ 100,000
India.....	171,704	³ 180,430	³ 164,203	196,848	226,475
Indonesia ⁶	16,000	32,000	² 35,000	42,000	(?)
Japan.....	55,029	69,060	84,492	³ 135,033	177,086
Korea:					
Korea, Republic of.....	2,494	3,466	3,419	5,144	1,000
North Korea.....	322,000	(?)	(?)	(?)	(?)
Malaya.....	5,312	10,212	13,617	18,436	17,018
Philippines.....	64,441	209,225	287,844	333,991	393,602
Sarawak.....	389	599	1,523	1,440	931
Saudi Arabia.....	52,000	74,000	66,835	66,202	73,104
Taiwan (Formosa).....	8,387	17,668	16,607	18,232	30,500
U. S. S. R.....	(⁸)	(⁸)	(⁸)	(⁸)	(⁸)
Total.....	805,000	791,000	² 790,000	³ 950,000	1,100,000
Africa:					
Angola.....	360	443	319	201	61
Bechuanaland.....	7,381	1,507	256	261	(?)
Belgian Congo ⁹	301,445	299,774	333,853	339,415	352,308
Egypt.....	2,090	3,853	7,045	³ 10,724	16,232
Eritrea.....	3,674	2,242	2,243	1,042	(?)
Ethiopia.....	⁵ 27,382	41,595	45,102	⁶ 43,200	⁶ 33,000
French Cameroon.....	11,510	10,706	8,938	7,170	5,422
French Equatorial Africa.....	64,044	63,723	57,260	54,996	52,849
French Guinea.....	7,395	88,029	(?)	(?)	(?)
French Morocco.....	1,029	804	643	119	2,069
French West Africa.....	5,564	20,512	46,381	96,452	(?)
Gold Coast.....	558,011	672,388	676,934	³ 689,441	699,000
Kenya.....	21,959	23,429	20,072	22,945	19,765
Liberia.....	16,987	13,797	14,656	11,025	9,822
Madagascar.....	1,511	2,095	1,663	1,935	1,951
Mozambique.....	5,427	4,734	2,468	997	861
Nigeria.....	2,203	2,899	2,515	2,238	1,566
Northern Rhodesia.....	¹⁰ 779	¹⁰ 1,180	¹⁰ 1,186	¹⁰ 1,432	101
Sierra Leone.....	2,400	2,193	³ 2,272	³ 3,778	(?)
Southern Rhodesia.....	522,735	514,440	528,180	511,163	486,907
South-West Africa.....	34	455	32	32	(?)
Sudan.....	3,725	3,579	4,114	3,503	1,495
Swaziland.....	5,637	3,110	2,841	1,794	322
Tanganyika (exports).....	47,317	57,557	68,989	65,127	65,224
Uganda (exports).....	1,366	1,158	650	³ 509	223
Union of South Africa.....	11,200,281	11,584,849	11,705,048	11,663,713	11,516,450
Total.....	12,822,000	13,421,000	13,614,000	³ 13,533,000	13,370,000
Oceania:					
Australia:					
Commonwealth.....	937,654	885,507	889,057	² 868,567	886,170
New Guinea.....	59,202	86,556	93,045	² 80,099	94,085
Papua.....	550	163	450	788	248
Fiji.....	94,353	93,059	104,036	103,421	93,635
New Zealand.....	112,260	93,903	84,874	76,527	75,115
Total.....	³ 1,204,019	² 1,159,188	³ 1,171,462	³ 1,129,402	1,149,253
World total (estimate).....	28,900,000	29,800,000	30,800,000	³ 32,500,000	33,500,000

¹ Figures used derived in part from American Bureau of Metal Statistics. For some countries accurate figures are not possible to obtain owing to clandestine trade in gold. Data not available for Austria, Bulgaria, Germany, Thailand, and Yugoslavia; estimates included in the total. In addition, production in Cyprus and Indochina was negligible.

² Refinery production. Excludes production of the Philippines.

³ Revised figure.

Imports into United States.

⁵ Exports.

⁶ Estimate.

⁷ Data not available; estimate included in total.

⁸ Output from U. S. S. R. in Asia included with U. S. S. R. in Europe.

⁹ Includes Ruanda-Urundi.

¹⁰ Included is yield from Nkana mine refinery slimes accumulated during the war: 547 ounces in 1947, 999 in 1948, 972 in 1949, and 1,296 in 1950.

*World production of silver, 1947-51, by countries, in fine ounces*¹

[Table compiled by the Bureau of Mines, U. S. Department of the Interior]

Country ¹	1947	1948	1949	1950	1951
North America:					
United States.....	38,587,069	39,228,468	34,944,554	42,308,739	39,907,257
Canada.....	12,504,018	16,109,982	17,641,493	² 23,221,431	24,244,919
Newfoundland.....	956,052				
Central America and West Indies:					
Costa Rica ³	1,470	3,029	720	215	582
Cuba.....	146,932	185,216	³ 157,411	³ 221,779	³ 172,318
Guatemala.....	(⁴)	(⁴)	81,502	339,360	309,857
Honduras.....	2,413,399	3,170,871	3,431,614	² 3,514,556	3,182,254
Nicaragua.....	⁵ 213,417	³ 216,802	³ 191,082	³ 133,282	³ 141,764
Panama.....	(⁴)	400	(⁴)	1,940	5,788
Salvador.....	⁵ 265,104	⁵ 216,342	280,309	462,973	352,102
Mexico.....	58,843,863	57,519,703	49,454,882	49,141,445	43,797,734
Total.....	113,931,000	² 116,651,000	106,184,000	² 119,346,000	112,115,000
South America:					
Argentina.....	⁶ 2,435,400	⁶ 1,201,900	1,249,421	1,150,000	1,253,879
Bolivia (exports).....	6,233,354	7,562,208	6,634,627	6,566,950	7,172,220
Brazil.....	20,293	23,095	21,041	² 21,155	20,315
Chile.....	747,055	861,961	799,685	² 746,765	983,491
Colombia.....	110,352	109,188	106,590	115,711	130,028
Ecuador.....	134,100	205,800	² 264,300	² 273,200	33,600
Peru.....	10,782,995	9,288,777	10,627,717	² 13,367,807	14,856,536
Total.....	20,464,000	19,253,000	² 19,703,000	² 22,242,000	24,450,000
Europe:					
Austria.....		(⁴)	12,890	18,901	(⁴)
Czechoslovakia ⁶	1,400,000	1,600,000	(⁴)	(⁴)	(⁴)
Finland.....	188,821	167,615	171,150	115,939	157,275
France.....	474,320	494,414	570,888	549,669	546,550
Germany, West.....	(⁴)	⁷ 867,459	1,601,782	1,637,116	4,138,990
Greece.....	33,000	32,000			64,300
Italy.....	443,680	595,432	793,545	² 850,998	821,529
Norway.....	228,270	215,410	170,399	² 167,184	160,754
Portugal.....	7,395	35,366	31,958	60,709	55,798
Rumania.....	481,264	(⁴)	(⁴)	(⁴)	(⁴)
Spain.....	638,192	339,396	514,283	² 823,831	735,911
Sweden.....	1,088,656	1,137,943	1,140,708	1,291,656	(⁴)
United Kingdom.....	23,522	² 15,942	13,996	18,153	(⁴)
Yugoslavia.....	(⁴)	(⁴)	(⁴)	2,200,000	3,000,000
Total (estimate).....	15,000,000	18,000,000	27,000,000	² 34,000,000	37,000,000
Asia:					
Burma.....	² ⁶ 100,000	² ⁶ 300,000	⁶ 100,000		
China.....	1,747	(⁴)	160,000	320,000	320,000
India.....	12,422	12,797	11,275	15,676	17,180
Japan.....	1,792,050	2,185,672	2,887,265	² 3,964,572	4,607,713
Korea:					
Korea, Republic of.....	38,689	38,505	18,932	(⁴)	(⁴)
North Korea.....	⁶ 128,600	(⁴)	(⁴)	(⁴)	(⁴)
Philippines.....	54,940	150,760	218,419	216,034	274,602
Saudi Arabia.....	49,805	67,819	81,295	124,287	109,912
Taiwan (Formosa).....	1,856	7,042	4,836	² ⁶ 3,200	⁶ 3,200
Total (estimate).....	2,200,000	² 2,800,000	² 3,500,000	² 4,700,000	5,400,000
Africa:					
Algeria.....	24,435	29,739	32,000	32,000	(⁴)
Bechuanaland.....	1,086	233	23	24	(⁴)
Belgian Congo.....	4,057,295	3,805,715	4,549,330	4,459,951	3,795,266
French Morocco.....	356,712	487,598	491,906	482,261	(⁴)
Gold Coast (exports).....	41,250	45,553	² 40,051	43,317	52,542
Kenya.....	3,859	3,184	2,279	2,586	2,150
Mozambique.....	712	616	244	71	(⁴)
Nigeria.....	2,130	4,270	484	325	200
Northern Rhodesia.....	⁸ 73,277	⁸ 145,865	⁸ 134,920	⁸ 173,304	
Southern Rhodesia.....	91,900	81,404	84,495	85,549	79,731
South-West Africa.....	⁶ 390,000	323,647	642,500	843,737	1,030,066
Swaziland.....	211	124	120	60	18
Tanganyika (exports).....	20,794	25,010	27,631	31,014	35,697
Tunisia.....	53,852	16,011	² 67,517	73,947	61,119
Uganda (exports).....	87	56	42		
Union of South Africa.....	1,147,694	1,170,951	1,159,375	1,119,135	1,162,588
Total.....	6,266,000	6,140,000	² 7,233,000	7,400,000	9,000,000

See footnotes at end of table.

*World production of silver, 1947-51, by countries, in fine ounces*¹—Continued

[Table compiled by the Bureau of Mines, U. S. Department of the Interior]

Country ¹	1947	1948	1949	1950	1951
Oceania:					
Australia:					
Commonwealth.....	9,527,140	10,057,519	9,849,213	10,677,456	10,436,324
New Guinea ²	35,421	31,739	31,786	30,399	(4)
Fiji.....	33,237	29,187	29,755	37,736	24,869
New Zealand.....	221,984	232,563	232,599	199,701	133,291
Total.....	9,818,000	10,351,000	10,143,000	10,945,000	10,625,000
World total (estimate) ¹	167,700,000	² 173,200,000	² 173,800,000	² 198,600,000	198,600,000

¹ Silver is also produced in Bulgaria, Cyprus, Hong Kong, Hungary, Federation of Malaya, Indonesia, Poland, Sarawak, Sierra Leone, Turkey, and U. S. S. R.; production data are not available, but estimates are included in total.

² Revised figure.

³ Imports into the United States. Serap is included in this figure in many instances, most notably in the case of Cuba.

⁴ Data not available; estimate included in total.

⁵ Exports.

⁶ Estimate.

⁷ American and British zones only.

⁸ Recovered from an accumulation of refinery slimes.

⁹ Fiscal year ended May 31 of year following that stated.

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